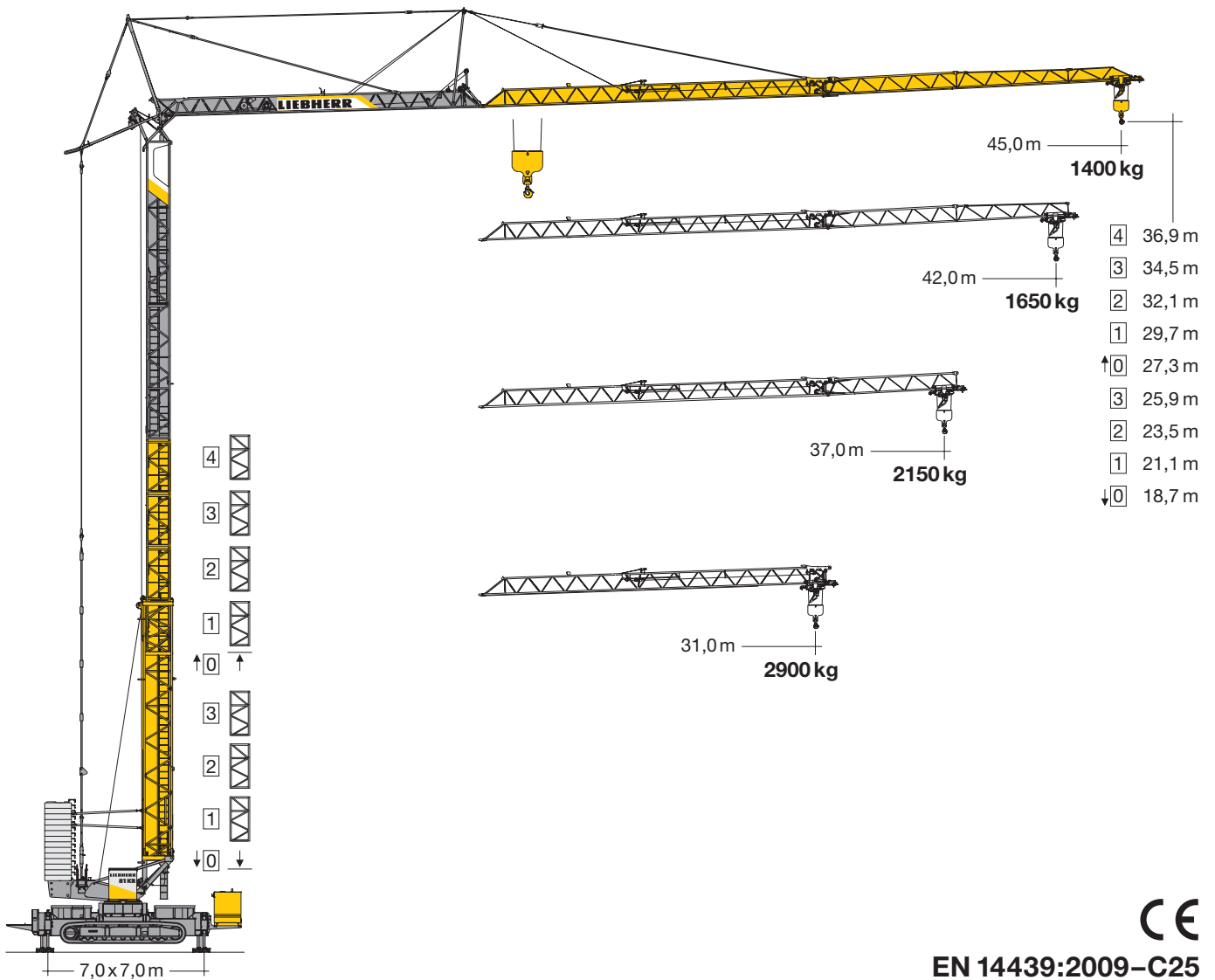


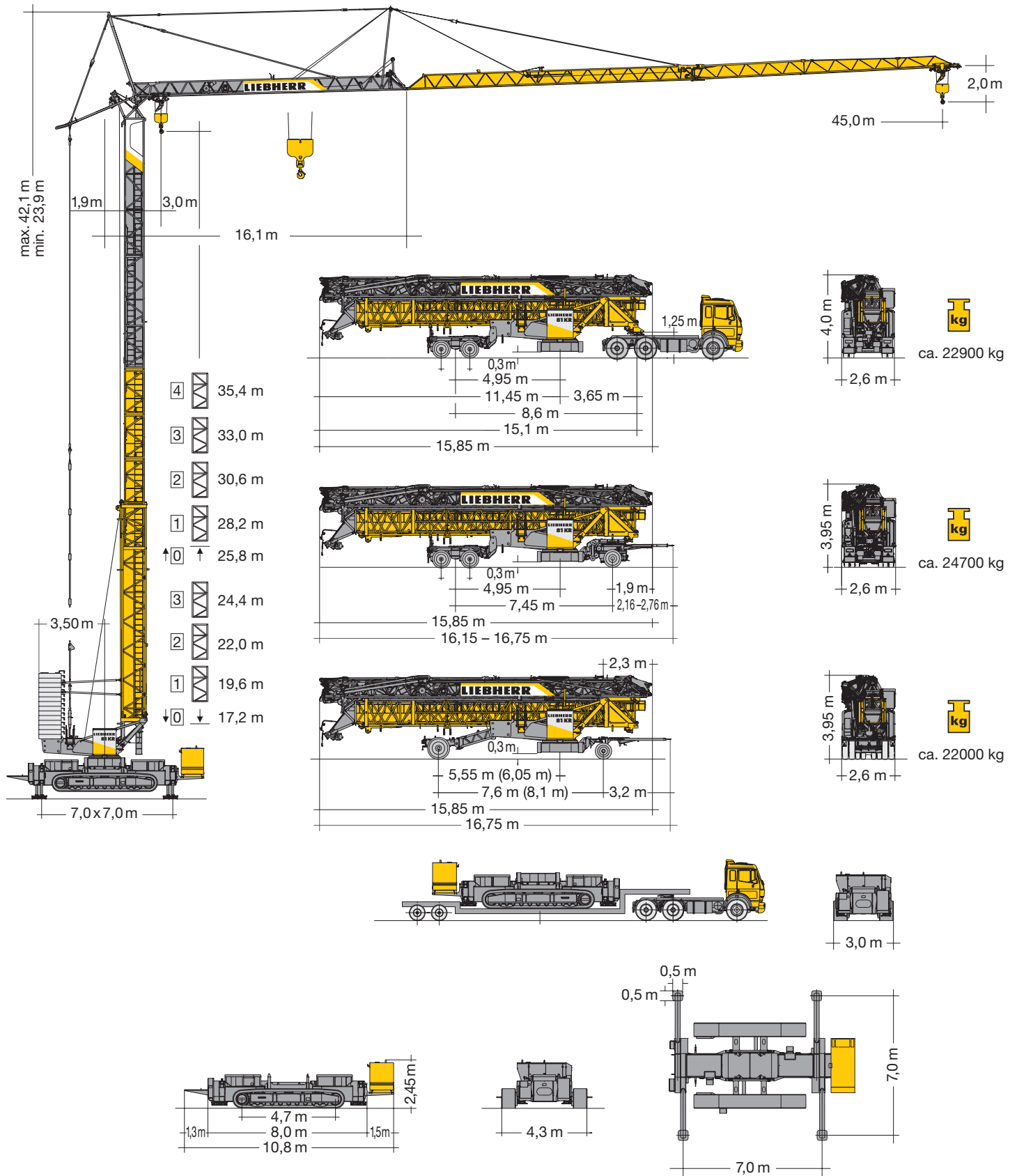
Turmdrehkran 81 KR

Tower Crane / Grue à tour / Gru a torre / Grúa torre
Guindaste de torre / Башенный поворотный кран



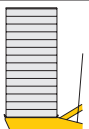

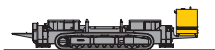
EN 14439:2009-C25

LIEBHERR



Gewicht

Weight / Poids / Peso / Peso / Pesos / Macca

| | | |
|---|---|---|
|  <p>r = 3,50 m 35000 kg</p> |  <p>19500 kg</p> |  <p>31500 kg</p> |
|---|---|---|

* siehe Betriebsanleitung. / see instruction manual. / voir manuel de service. / vedasi le istruzioni sull'uso. / según manual. / ver manual de instruções. / см. инструкцию по эксплуатации.

Ausladung und Tragfähigkeit

Radius and capacity / Portée et charge / Sbraccio e portata
Alcances y cargas / Alcance e capacidade de carga / Вылет и грузоподъемность

| m | m/kg | m/kg | | | | | | | | | | | | | | | |
|------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | 13,0 | 15,0 | 18,0 | 21,0 | 24,0 | 27,0 | 29,0 | 31,0 | 33,0 | 35,0 | 37,0 | 39,0 | 41,0 | 42,0 | 44,0 | 45,0 |
| 45,0 | 3,0 – 13,3 6000 | 6000 | 5220 | 4230 | 3540 | 3030 | 2640 | 2420 | 2230 | 2070 | 1920 | 1800 | 1680 | 1580 | 1530 | 1440 | 1400 |
| 42,0 | 3,0 – 14,1 6000 | 6000 | 5570 | 4520 | 3790 | 3240 | 2820 | 2590 | 2400 | 2220 | 2070 | 1930 | 1810 | 1700 | 1650 | | |
| 37,0 | 3,0 – 15,1 6000 | 6000 | 6000 | 4930 | 4150 | 3560 | 3110 | 2870 | 2650 | 2460 | 2300 | 2150 | | | | | |
| 31,0 | 3,0 – 16,3 6000 | 6000 | 6000 | 5370 | 4520 | 3890 | 3400 | 3130 | 2900 | | | | | | | | |

Antriebe

Driving units / Mécanismes d'entraînement / Meccanismi / Mecanismos / Mecanismos / Приводы

| | | |
|--|--------------------------------------|-----------|
| | U/min. 0 ↔ 0,8 sl./min tr./min | 5,0 kW FU |
| | 0 ↔ 60,0 m/min | 3,0 kW FU |

15,0 kW FU
WIW 210 MZ 404

↔ **stufenlos** / stepless / régl. continu
régl. progressive / sin escalones
sem degraus / бесступенчатый

kg m/min

15,0 kW FU
WIW 210 MZ 404

Gang
Speed
Vitesse
Marcia
Velocidad
Velocidade
Передача

1 6000 0 ↔ 12,0
400 0 ↔ 70,0

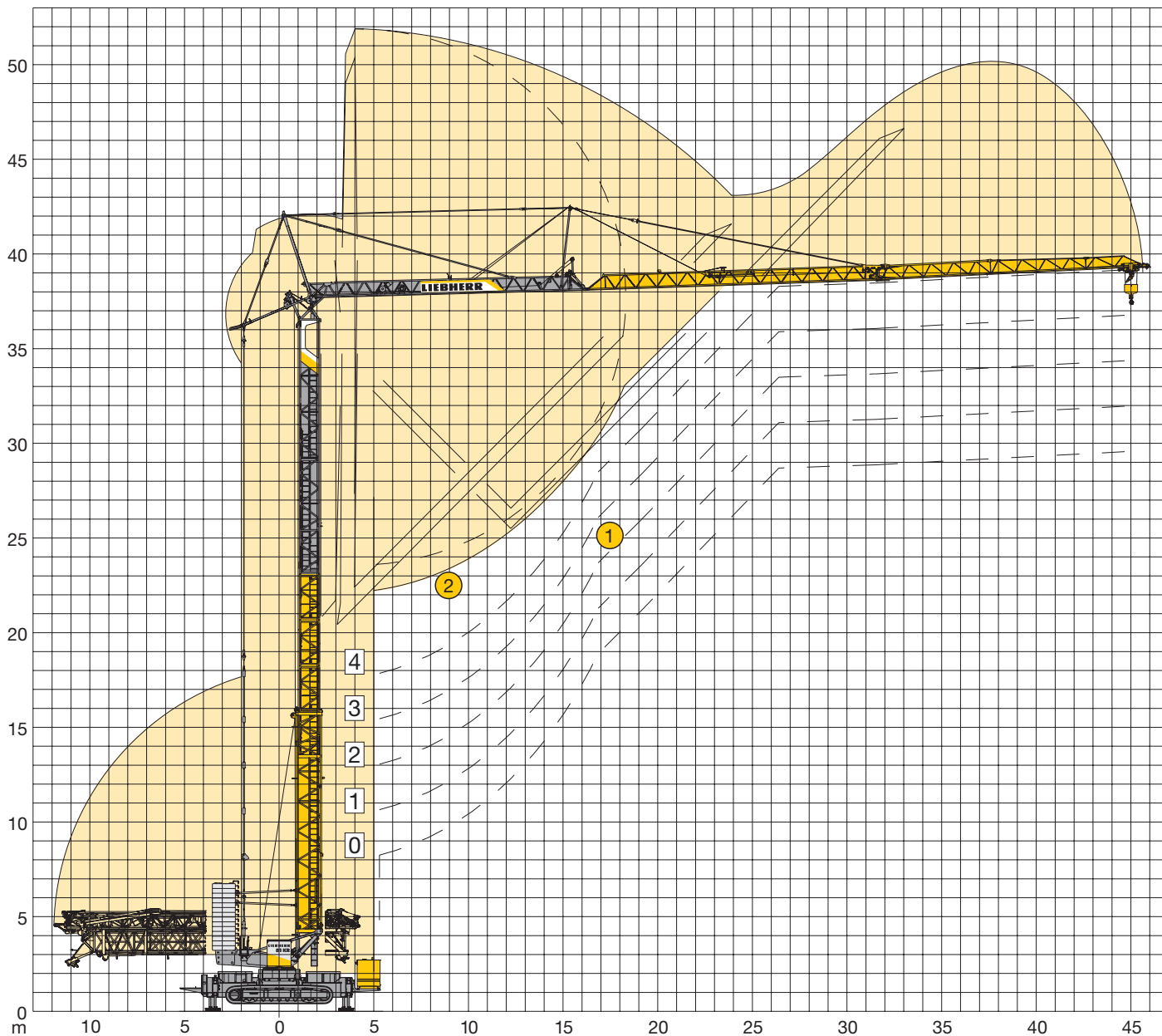
1 **Gang** / Speed / Vitesse
Marcia / Velocidad
Vernelling / Передача

| | | 380 – 500 V | Hz | kVA |
|---------|------------------------|-------------|-------|------|
| 110,0 m | 4 x 16 mm ² | | 50/60 | 32,0 |

| | Hz | kVA |
|-------------|----|-----|
| 400 V / 3 ~ | 50 | 50 |

| | | |
|------------|--|-------------|
| BGL | | C.0.08.0080 |
|------------|--|-------------|

| | Hz | kVA |
|-------------|----|-----------------|
| 400 V / 3 ~ | 50 | 120,0 (159,0 A) |
| 230 V | 50 | 36,5 (159,0 A) |



① **Standard Aufstellkurven von 0 bis 4 Turmstücken** / Standard erecting curves from 0 to 4 tower sections / Courbes de montage standard de 0 à 4 éléments de mât / Curve di montaggio standard con 0 fino a 4 elementi torre / Curvas de montaje estándar (0-4 tramos de torre) / Curvas padrão de montagem de 0 até 4 segmentos de torre / Стандартная монтажная высота с 0-4 башенными секциями

② **Erhöhte Aufstellkurve (+4,5 m) am Beispiel von 4 Turmstücken** / Elevated erecting curve (+4.5 m) using the example of 4 tower sections / Courbe de montage élevée (+4,5 m) en prenant pour exemple 4 éléments de mât / Elevata curva di montaggio (+4,5 m), come per esempio con 4 elementi di torre / Curva de montaje elevada (+4,5 m): ejemplo con 4 tramos / Curva elevada de montagem (+4,5 m) como exemplo para 4 segmentos de torre / Увеличенная монтажная высота (+4,5 м) на примере 4-ти башенных секций

| | | | | | | |
|-----------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| | | | | | | |
| | | | 18,5 m | 27,1 m | 31,9 m | 36,7 m |
| | 30,0 % | 16,0 % | 14,0 % | 11,0 % | 9,0 % | 7,0 % |
| | | | | | | |
| | 15,0 % | 5,0 % | 8,0 % | 7,0 % | 5,0 % | 5,0 % |
| | | | | | | |
| | 15,0 % | 8,0 % | 8,0 % | 7,0 % | 5,0 % | 5,0 % |
| | ca. 120 kN/m ² | ca. 230 kN/m ² | ca. 230 kN/m ² | ca. 230 kN/m ² | ca. 230 kN/m ² | ca. 230 kN/m ² |
| V_{max} | 10,7 m/min | 10,7 m/min | 10,7 m/min | 10,7 m/min | 10,7 m/min | 10,7 m/min |

Kolli-Liste

Packing List / Liste de colisage / Lista dei colli
Lista de contenido / Lista de embalagem / Упаковочный лист

| Pos. | Anz. | | | | L (m) | B (m) | H (m) | kg | |
|------|------|---|--|--|---------|-------|-------|-------|------|
| 1 | 4 | Turmstück (ohne/mit Turmauflage*) / Tower section (without/with tower support*) / Élément de mât (sans/avec support de mât*) / Elemento di torre (senza/con pedana di servizio*) / Tramo de torre (sin/con soporte de torre*) / Tramo de torre (sem/com suporte de torre*) / Башенная секция (без/с опорными выступами*) | | | 2,50 | 1,10 | 1,10 | 500 | |
| 2 | 2* | | | | 2,50 | 1,10 | 1,10 | 600* | |
| 3 | 1 | Ausleger-Verlängerung 31,0 m – 37,0 m / Jib extension / Rallonge de la flèche / Elemento estensione braccio / Prolongación de pluma / Extensão da lança / Удлинение стрелы | | | 6,20 | 0,87 | 0,84 | 320 | |
| 4 | 1 | Ausleger-Verlängerung 37,0 m – 42,0 m / Jib extension / Rallonge de la flèche / Elemento estensione braccio / Prolongación de pluma / Extensão da lança / Удлинение стрелы | | | 5,20 | 0,87 | 0,76 | 160 | |
| 5 | 1 | Ausleger-Verlängerung 42,0 m – 45,0 m / Jib extension / Rallonge de la flèche / Elemento estensione braccio / Prolongación de pluma / Extensão da lança / Удлинение стрелы | | | 3,10 | 0,87 | 0,61 | 80 | |
| 6 | 1 | Raupenunterwagen / Crawler undercarriage / Châssis à chenilles / Carro cingolato / Carro sobre raíles / Carro de lagarta / Опорная рама на гусеничном шасси | | | 8,05 | 3,00 | 1,75 | 29500 | |
| 7 | 1 | Stromgenerator mit Konsole / Current generator with bracket / Générateur de courant avec semelle / Generatore di corrente con supporto / Generator de corriente con consola / Gerador de corrente de consola / Генераторный агрегат с кронштейном | | | 120 kVA | 2,75 | 1,50 | 1,80 | 2000 |
| 8 | 1 | Transportachse Tra 203 / Road transport axle / Essieux de transport / Assali par trasporto / Eje de transporte / Eixo de transporte / Транспортная ось | | | 3,00 | 2,50 | 1,20 | 2500 | |
| 9 | 1 | Transportachse Tra 204 / Road transport axle / Essieux de transport / Assali par transporte / Eje de transporte / Eixo de transporte / Транспортная ось | | | 3,10 | 2,50 | 1,10 | 1900 | |
| 10 | 1 | Transportachse Tra 205 / Road transport axle / Essieux de transport / Assali par transporte / Eje de transporte / Eixo de transporte / Транспортная ось | | | 3,00 | 2,50 | 1,20 | 3000 | |
| 11 | 1 | Kiste mit Kleinteilen, Seilen / Crate with small parts, ropes / Caisse contenant des accessoires, câbles / Cassa con minuteria, funi / Caja con piezas pequeñas, cables / Caixa com peças pequenas, cabos / Ящик с мелкими деталями, с канатами | | | 1,00 | 0,80 | 1,00 | 450 | |

Konstruktionsänderungen vorbehalten! / Subject to alterations! / Sous réserves de modifications! / Riservato il diritto di modifiche strutturali!
¡Sujeto a modificaciones! / Salvo modificação da construação! / Права на внесение конструкторских изменений сохраняются!

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Printed in Germany.