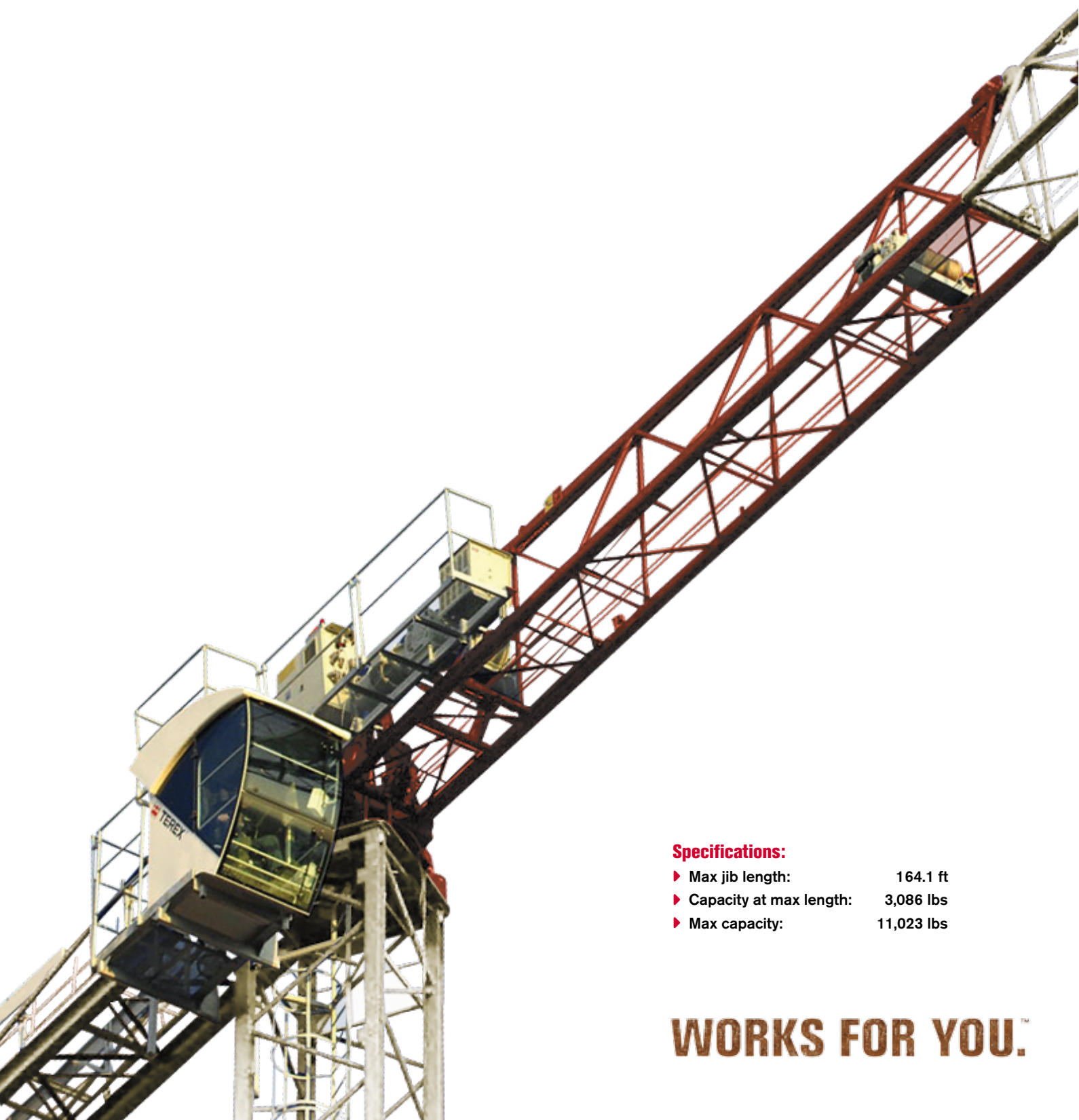




**TEREX®**

**CTT 91-5 TS12**

# FLAT TOP TOWER CRANE



**Specifications:**

- ▶ Max jib length: 164.1 ft
- ▶ Capacity at max length: 3,086 lbs
- ▶ Max capacity: 11,023 lbs

**WORKS FOR YOU.™**



# KEY

## Zeichenerklärung · Légende · Leyenda · Legenda

|  |                                                                                                                                                                                                                                                                                  |
|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | Hoisting · Heben · Levage · Elevación · Sollevamento                                                                                                                                                                                                                             |
|  | Trolleying · Katzfahren · Distribution · Distribución · Traslazione carrello                                                                                                                                                                                                     |
|  | Slewing · Schwenken · Orientation · Orientació · Rotazione                                                                                                                                                                                                                       |
|  | Travelling · Schienenfahren · Translation · Traslación · Traslazione                                                                                                                                                                                                             |
|  | Directive on noise level · Richtlinie für den Schall-Leistungspegel · Directive sur le niveau acoustique · Directiva sobre el nivel acustico · Direttiva sul livello acustico                                                                                                    |
|  | Consult us · Auf Anfrage · Nous consulter · Consultarnos · Consultateci                                                                                                                                                                                                          |
|  | Power requirements · Geforderte Stromstärke · Puissance totale nécessaire · Potencia necesaria · Potenza totale richiesta                                                                                                                                                        |
|  | Power supply · Stromversorgung · Alimentation · Alimentación · Alimentazione                                                                                                                                                                                                     |
|  | In service · In Betrieb · En service · En servicio · In servizio                                                                                                                                                                                                                 |
|  | Out of service · Außer Betrieb · Hors service · Fuera de servicio · Fuori servizio                                                                                                                                                                                               |
|  | Max. under hook height · Höchste Hakenhöhe · Hauteur maxi. sous crochet · Maxima altura bajo gancho · Altezza max. sotto gancio                                                                                                                                                  |
|  | Without load, without ballast, max. jib and max. height · Ohne Last und Ballast, mit Maximalausleger und Maximalhöhe · A vide, sans lest, avec flèche et hauteur maximum · Sin carga, sin lastre, con pluma y altura máxima · A vuoto, senza zavorra, braccio max., altezza max. |
|  | Counterweight · Gegengewicht · Lest de contre-flèche · Lastre de contra flecha · Zavorra controbraccio                                                                                                                                                                           |
|  | FEM 1004 Out of service wind condition · FEM 1004 Windverhältnisse im Außerbetriebszustand · FEM 1004 Conditions de vent hors service · FEM 1004 Condiciones de viento fuera de servicio · FEM 1004 Condizioni del vento in fuori servizio                                       |



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**CTT 91-5 TS12**

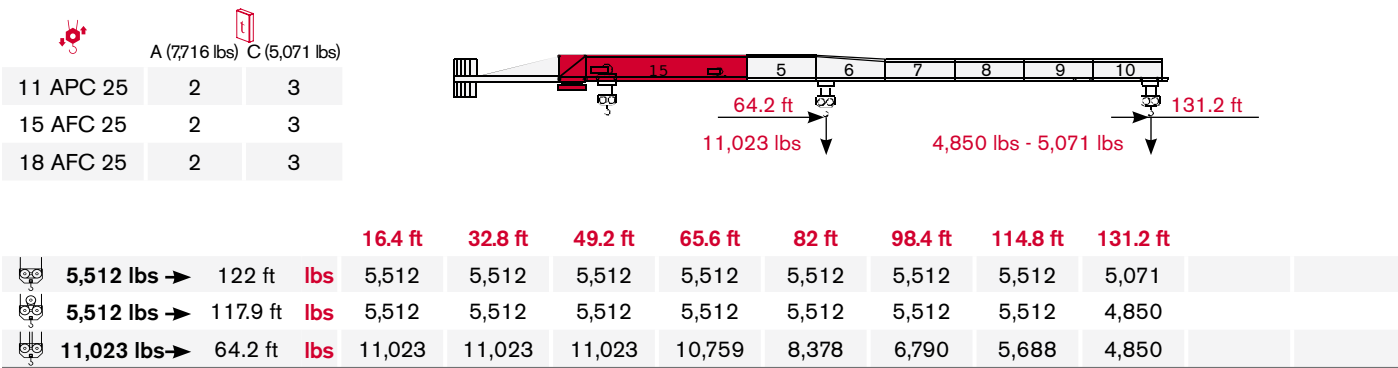
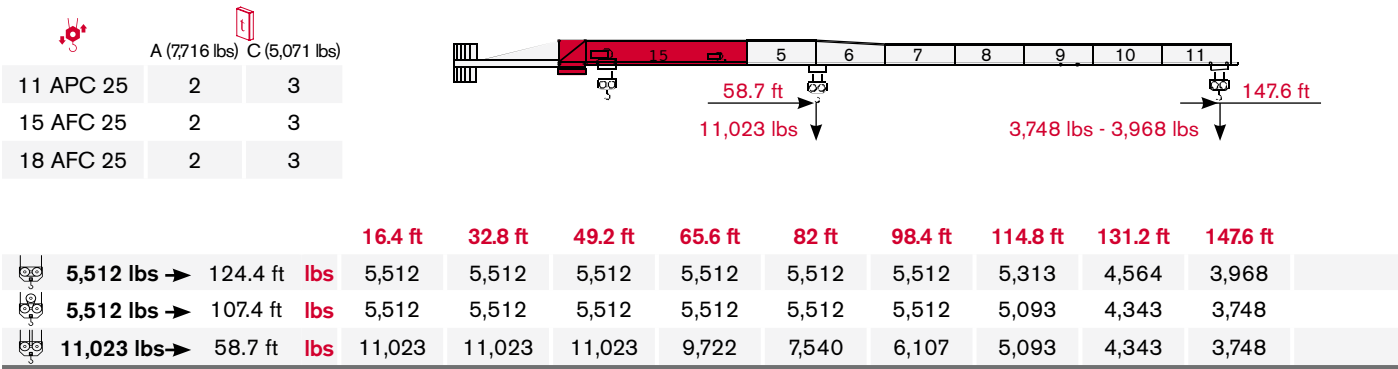
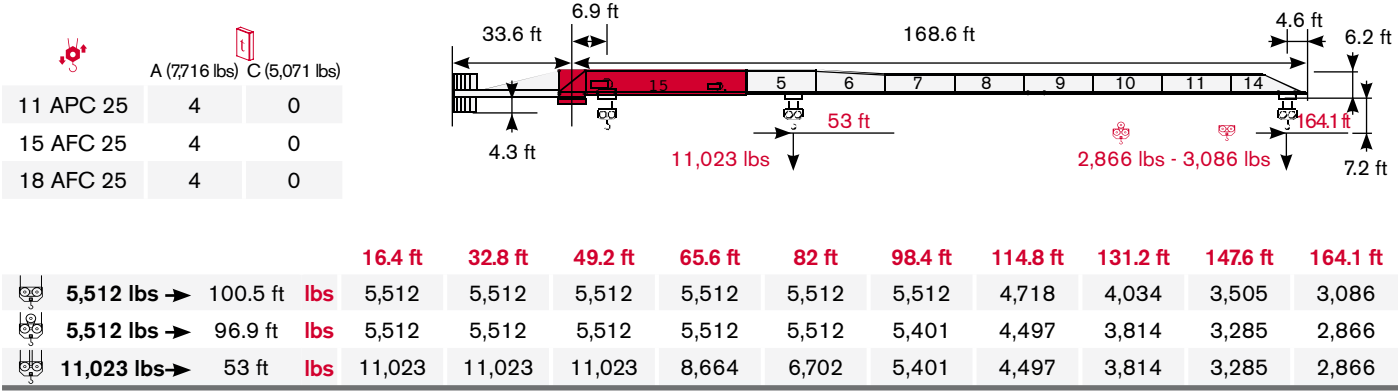
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| <b>Load Diagram · Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata . . . . .</b> | <b>4</b>                               |
| <b>Tower · Turm · Tour · Torre · Torre . . . . .</b>                                                      | <b>6</b>                               |
| <b>Mechanisms · Antriebe · Mécanismes · Mecanismos · Meccanismi . . . . .</b>                             | <b>7</b>                               |
| <b>Transportation · Transport · Transportation · Transportation · Trasporto . . . . .</b>                 | <b>9</b>                               |



# LOAD DIAGRAM

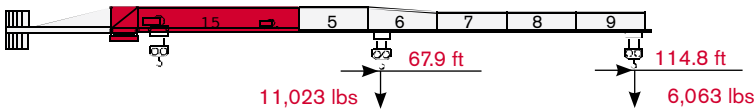
Lastkurven · Courbes de charges · Curvas de cargas · Diagramma di portata





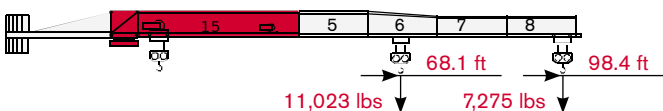
CTT 91-5 TS12

|           |  |               |  |               |
|-----------|--|---------------|--|---------------|
|           |  | A (7,716 lbs) |  | C (5,071 lbs) |
| 11 APC 25 |  | 3             |  | 1             |
| 15 AFC 25 |  | 3             |  | 1             |
| 18 AFC 25 |  | 3             |  | 1             |



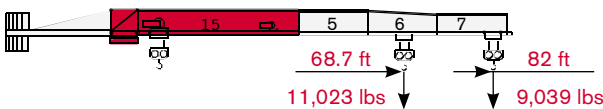
|  |              |          |         |         |         |         |        |         |          |       |  |  |
|--|--------------|----------|---------|---------|---------|---------|--------|---------|----------|-------|--|--|
|  |              |          | 16.4 ft | 32.8 ft | 49.2 ft | 65.6 ft | 82 ft  | 98.4 ft | 114.8 ft |       |  |  |
|  | 5,512 lbs →  | 114.8 ft | lbs     | 5,512   | 5,512   | 5,512   | 5,512  | 5,512   | 5,512    |       |  |  |
|  | 11,023 lbs → | 67.9 ft  | lbs     | 11,023  | 11,023  | 11,023  | 11,023 | 8,907   | 7,253    | 6,063 |  |  |

|           |  |               |  |               |
|-----------|--|---------------|--|---------------|
|           |  | A (7,716 lbs) |  | C (5,071 lbs) |
| 11 APC 25 |  | 2             |  | 2             |
| 15 AFC 25 |  | 2             |  | 2             |
| 18 AFC 25 |  | 2             |  | 2             |



|  |              |         |         |         |         |         |        |         |       |  |  |
|--|--------------|---------|---------|---------|---------|---------|--------|---------|-------|--|--|
|  |              |         | 16.4 ft | 32.8 ft | 49.2 ft | 65.6 ft | 82 ft  | 98.4 ft |       |  |  |
|  | 5,512 lbs →  | 98.4 ft | lbs     | 5,512   | 5,512   | 5,512   | 5,512  | 5,512   |       |  |  |
|  | 11,023 lbs → | 68.1 ft | lbs     | 11,023  | 11,023  | 11,023  | 11,023 | 8,951   | 7,275 |  |  |

|           |  |               |  |               |
|-----------|--|---------------|--|---------------|
|           |  | A (7,716 lbs) |  | C (5,071 lbs) |
| 11 APC 25 |  | 1             |  | 3             |
| 15 AFC 25 |  | 1             |  | 3             |
| 18 AFC 25 |  | 1             |  | 3             |



|  |              |         |         |         |         |         |        |       |  |  |
|--|--------------|---------|---------|---------|---------|---------|--------|-------|--|--|
|  |              |         | 16.4 ft | 32.8 ft | 49.2 ft | 65.6 ft | 82 ft  |       |  |  |
|  | 5,512 lbs →  | 65.6 ft | lbs     | 5,512   | 5,512   | 5,512   | 5,512  |       |  |  |
|  | 11,023 lbs → | 68.7 ft | lbs     | 11,023  | 11,023  | 11,023  | 11,023 | 9,039 |  |  |

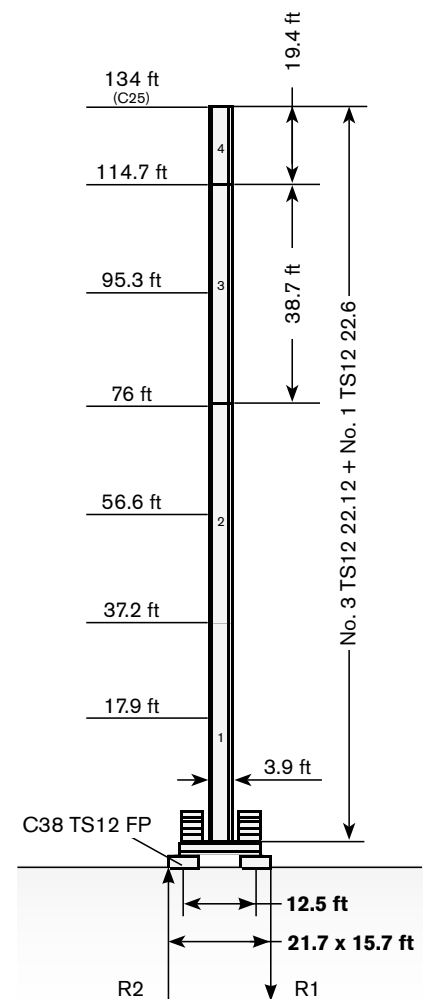
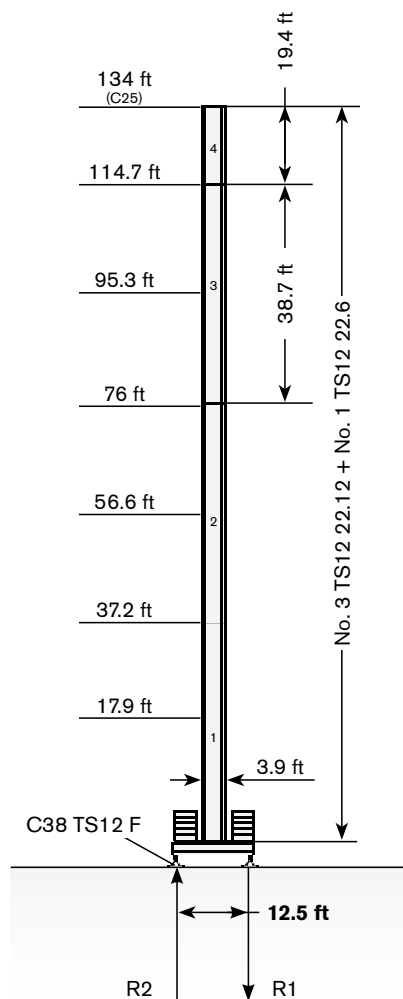
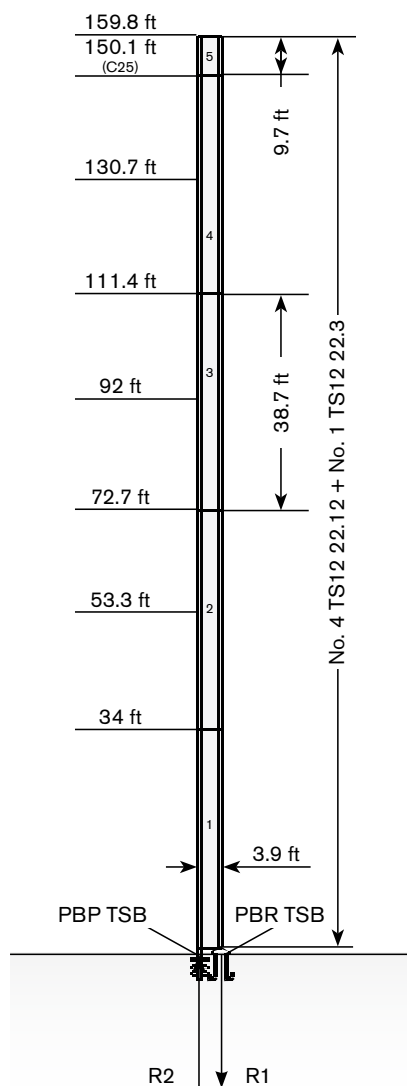
# Turm · Tour · Torre · Torre

**Standard Configurations · Standardkonfiguration ·  
Standard Implantations · Implantaciones Standard · Installazioni Standard**

|                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                   |  |  |
| <b>R1</b>                                                                         | -1385 kN                                                                          | -2023 kN                                                                          |
| <b>R2</b>                                                                         | 1138 kN                                                                           | 1795 kN                                                                           |
|  | 296 kN                                                                            |                                                                                   |

|                                                                                   |                                                                                   |                                                                                   |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                                                                                   |  |  |
| <b>R1</b>                                                                         | -582 kN                                                                           | -796 kN                                                                           |
| <b>R2</b>                                                                         | -52 kN                                                                            | 0                                                                                 |
|  | 300 kN                                                                            |                                                                                   |

|                                                                                     |                                                                                     |                                                                                     |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                                                     |  |  |
| <b>R1</b>                                                                           | -582 kN                                                                             | -796 kN                                                                             |
| <b>R2</b>                                                                           | -52 kN                                                                              | 0                                                                                   |
|  | 300 kN                                                                              |                                                                                     |



Different heights and tower combinations are available; please consult us • Andere Höhen und Turmkombinationen auf Anfrage • Différentes hauteurs et combinaisons de tour sont disponibles; nous consulter • Hay diferentes alturas y combinaciones de torre disponibles. Consultenos • Altezze diverse e combinazioni di torre sono disponibili; consultateci



**TEREX®**



# MECHANISMS

Antriebe · Mécanismes · Mecanismos · Meccanismi

Power supply · Stromversorgung · Alimentation · Suministro eléctrico · Alimentazione

CTT 91-5 TS12

|  | 11 APC 25 | 31 kVA* | 400V - 50Hz               | 2000/14/CE modificata |
|--|-----------|---------|---------------------------|-----------------------|
|  | 15 AFC 25 | 40 kVA* | 400V - 50Hz / 460V - 60Hz | 2000/14/CE modificata |
|  | 18 AFC 25 | 41 kVA* | 400V - 50Hz / 460V - 60Hz | 2000/14/CE modificata |

\* Crane without travelling equipment – Three movements simultaneous at 90% · Krane ohne Schienenfahren – Drei gleichzeitige Bewegungen mit 90% · Grue sans translation – Trois mouvements simultanés à 90% · Grúa sin traslación – Tres movimientos contemporáneos hechos al 90% · Gru senza traslazione – Tre movimenti contemporanei al 90%

Hoisting · Heben · Levage · Elevación · Sollevamento

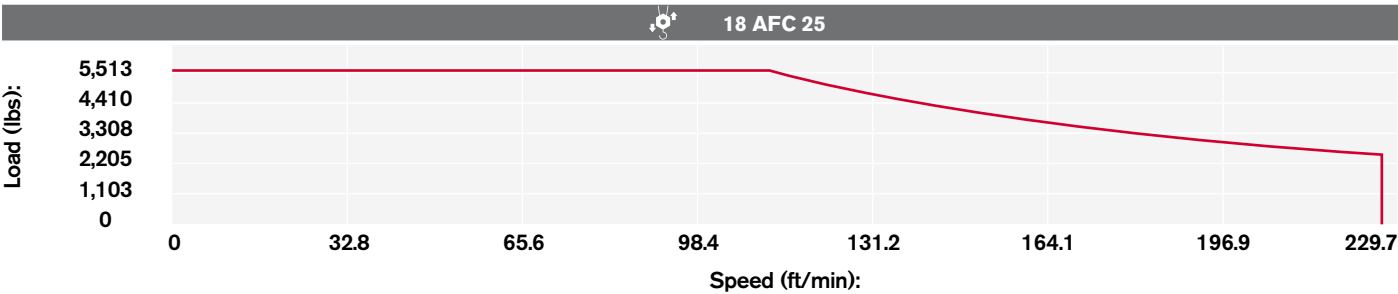
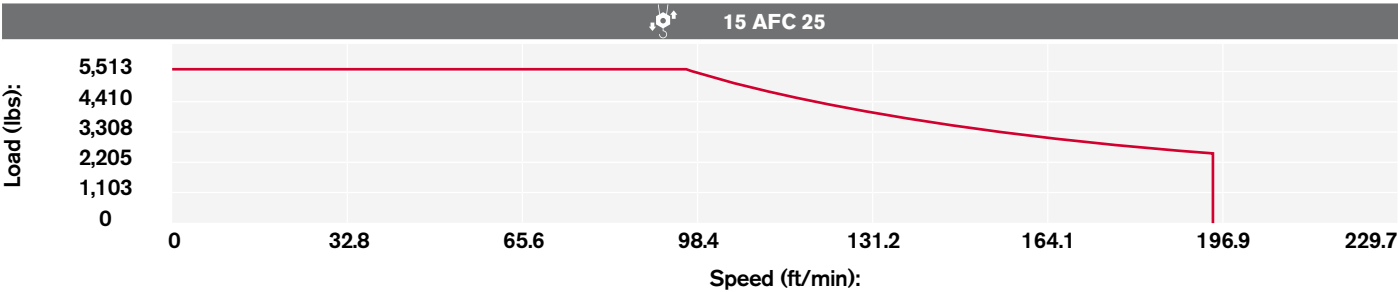
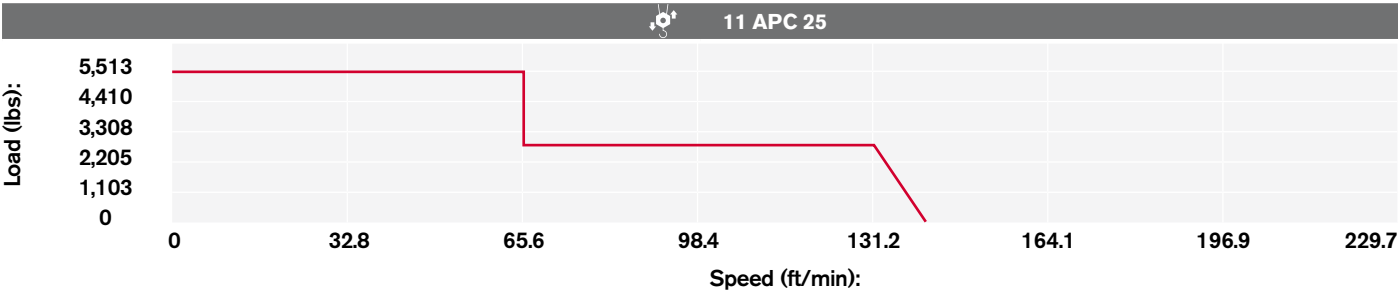
|  |                     |  | lbs    | m/min         | kW |            |
|--|---------------------|--|--------|---------------|----|------------|
|  | 11 APC 25           |  | 5,512  | 19.7          | 11 | 610.3 ft   |
|  |                     |  | 5,512  | 65.6          |    |            |
|  |                     |  | 2,756  | 131.2         |    |            |
|  |                     |  | 11,023 | 9.8           |    |            |
|  |                     |  | 11,023 | 32.8          |    |            |
|  |                     |  | 5,512  | 65.6          |    |            |
|  | 15 AFC 25 (Variant) |  | 5,512  | 0 ➔ 5.6       | 15 | 610.3 ft   |
|  |                     |  | 5,512  | 5.6 ➔ 19.7    |    |            |
|  |                     |  | 5,512  | 19.7 ➔ 91.9   |    |            |
|  |                     |  | 3,175  | 91.9 ➔ 150.9  |    |            |
|  |                     |  | 2,425  | 150.9 ➔ 187   |    |            |
|  |                     |  | 11,023 | 0 ➔ 2.8       |    |            |
|  |                     |  | 11,023 | 2.8 ➔ 9.8     |    |            |
|  |                     |  | 11,023 | 9.8 ➔ 45.9    |    |            |
|  |                     |  | 6,349  | 45.9 ➔ 75.5   |    |            |
|  |                     |  | 4,850  | 75.5 ➔ 93.5   |    |            |
|  | 18 AFC 25 (Variant) |  | 5,512  | 0 ➔ 7.2       | 18 | 1.017.1 ft |
|  |                     |  | 5,512  | 7.2 ➔ 26.2    |    |            |
|  |                     |  | 5,512  | 26.2 ➔ 111.6  |    |            |
|  |                     |  | 3,219  | 111.6 ➔ 180.5 |    |            |
|  |                     |  | 2,425  | 180.5 ➔ 226.4 |    |            |
|  |                     |  | 11,023 | 0 ➔ 3.6       |    |            |
|  |                     |  | 11,023 | 3.6 ➔ 13.1    |    |            |
|  |                     |  | 11,023 | 13.1 ➔ 55.8   |    |            |
|  |                     |  | 6,437  | 55.8 ➔ 90.2   |    |            |
|  |                     |  | 6,437  | 90.2 ➔ 113.2  |    |            |



# MECHANISMS

Antriebe · Mécanismes · Mecanismos · Meccanismi

Hoisting Speed · Heben Geschwindigkeit · Vitesse de Levage ·  
Velocidad de Elevación · Velocità' di Sollevamento



Additional Specifications · Weitere Leistungsdaten ·  
Spécifications additionnelles · Otras prestaciones · Altre movimentazioni

|  |                      |                                |                |
|--|----------------------|--------------------------------|----------------|
|  | DAD 2 2 D1           | 0 → 72.2 → 144.4 ft/min        | 2.2 - 1.5 kW   |
|  | DVF 3 4 D5 (Variant) | 0 → 19.7 → 98.4 → 196.9 ft/min | 4 kW           |
|  | SSR 1 1 65           | 0.76 r.p.m.                    | 1 x 47.9 ft-lb |
|  |                      |                                |                |
|  |                      |                                |                |

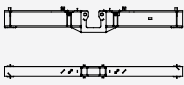
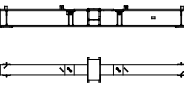
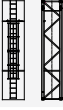
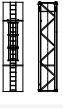
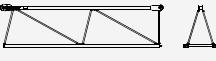
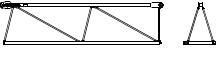
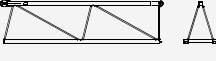


TRANSPORTATION

Transport · Transport · Conducción · Trasporto

CTT 91-5 TS12

Packing list

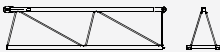
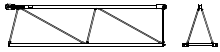
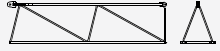
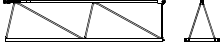
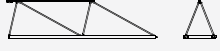
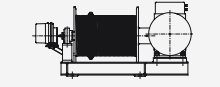
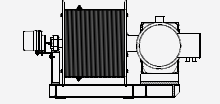
| CTT 91-5/TS12                                                                       | DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE | LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA | WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA | HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA | QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ | WEIGHT · GEWICHT · POIDS · PESO · PESO |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------|--------------------------------------------|---------------------------------------------------|----------------------------------------|
|    | "A" BEAM<br>FOR<br>C38 UNDERCARRIAGE                                 | 19 ft                                            | 1.3 ft                                         | 2.6 ft                                     | 1                                                 | 4,789 lbs                              |
|    | "B" BEAM<br>FOR<br>C38 UNDERCARRIAGE                                 | 19 ft                                            | 2.5 ft                                         | 2.1 ft                                     | 1                                                 | 4,600 lbs                              |
|    | TS12 22.12 NORMAL<br>TOWER SECTION                                   | 4 ft                                             | 4.1 ft                                         | 38.7 ft                                    | 1                                                 | 8,891 lbs*                             |
|    | TS12 22.12 BASE<br>TOWER SECTION                                     | 4 ft                                             | 4.1 ft                                         | 38.7 ft                                    | 1                                                 | 8,875 lbs*                             |
|   | TS12 22.6 NORMAL<br>TOWER SECTION                                    | 4 ft                                             | 4.1 ft                                         | 19.4 ft                                    | 1                                                 | 4,635 lbs*                             |
|  | TS12 22.6 BASE<br>TOWER SECTION                                      | 4 ft                                             | 4.1 ft                                         | 19.4 ft                                    | 1                                                 | 4,624 lbs*                             |
|  | TS12 22.3 NORMAL<br>TOWER SECTION                                    | 4 ft                                             | 4.1 ft                                         | 9.7 ft                                     | 1                                                 | 2,600 lbs*                             |
|  | SLEWING UNIT<br>INCLUDING<br>JIB SECTION-15                          | 39.7 ft                                          | 6.6 ft                                         | 8 ft                                       | 1                                                 | 12,436 lbs                             |
|  | PLATFORM UNIT<br>INCLUDING CAB                                       | 8.2 ft                                           | 5.2 ft                                         | 8.2 ft                                     | 1                                                 | 2,448 lbs                              |
|  | COUNTERJIB COMPLETE                                                  | 31.8 ft                                          | 2.5 ft                                         | 4.4 ft                                     | 1                                                 | 4,295 lbs                              |
|  | JIB SECTION-5                                                        | 17.1 ft                                          | 3.6 ft                                         | 5.9 ft                                     | 1                                                 | 1,169 lbs                              |
|  | JIB SECTION-6                                                        | 17.1 ft                                          | 3.6 ft                                         | 5.9 ft                                     | 1                                                 | 1,125 lbs                              |
|  | JIB SECTION-7                                                        | 17.1 ft                                          | 3.6 ft                                         | 4.3 ft                                     | 1                                                 | 992 lbs                                |

\* inclusive of ladders, platforms, protections and erection equipment



# TRANSPORTATION

Transport · Transport · Conducción · Trasporto

| CTT 91-5/TS12                                                                      | DESCRIPTION · BESCHREIBUNG · DESCRIPTION · DESCRIPCIÓN · DESCRIZIONE | LENGTH · LÄNGE · LONGUEUR · LONGITUD · LUNGHEZZA | WIDTH · BREITE · LARGEUR · ANCHURA · LARGHEZZA | HEIGHT · HÖHE · HAUTEUR · ALTURA · ALTEZZA | QUANTITY · MENGE · QUANTITÉ · CANTIDAD · QUANTITÀ | WEIGHT · GEWICHT · POIDS · PESO · PESO |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------|--------------------------------------------------|------------------------------------------------|--------------------------------------------|---------------------------------------------------|----------------------------------------|
|    | JIB SECTION-8                                                        | 17.1 ft                                          | 3.6 ft                                         | 4.3 ft                                     | 1                                                 | 882 lbs                                |
|    | JIB SECTION-9                                                        | 17.1 ft                                          | 3.6 ft                                         | 4.3 ft                                     | 1                                                 | 617 lbs                                |
|    | JIB SECTION-10                                                       | 17.1 ft                                          | 3.6 ft                                         | 4.3 ft                                     | 1                                                 | 609 lbs                                |
|    | JIB SECTION-11                                                       | 17.1 ft                                          | 3.6 ft                                         | 4.3 ft                                     | 1                                                 | 492 lbs                                |
|  | JIB SECTION-14                                                       | 17.1 ft                                          | 3.6 ft                                         | 4.3 ft                                     | 1                                                 | 375 lbs                                |
|  | JIB POINT SECTION                                                    | 3.9 ft                                           | 2.3 ft                                         | 3.6 ft                                     | 1                                                 | 121 lbs                                |
|  | HOIST WINCH<br>11 APC 25 F9                                          | 4.3 ft                                           | 3.9 ft                                         | 1.6 ft                                     | 1                                                 | 1,014 lbs                              |
|  | HOIST WINCH<br>15 AFC 25 F9                                          | 4.3 ft                                           | 3.9 ft                                         | 1.6 ft                                     | 1                                                 | 1,014 lbs                              |
|  | 18 AFC 25 F9 HOIST WINCH<br>(with electric box and resistance box)   | 5.1 ft                                           | 4.4 ft                                         | 2.4 ft                                     | 1                                                 | 1,224 lbs                              |



TEREX®



## Notizen · Note · Apunte · Appunti

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



## www.terexcranes.com

Effective Date: June 2010.

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Terex Cranes, Global Marketing, Dinglerstraße 24, 66482 Zweibrücken, Germany  
Tel. +49 (0) 6332 830, Email: [info.cranes@terex.com](mailto:info.cranes@terex.com), [www.terexcranes.com](http://www.terexcranes.com)

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