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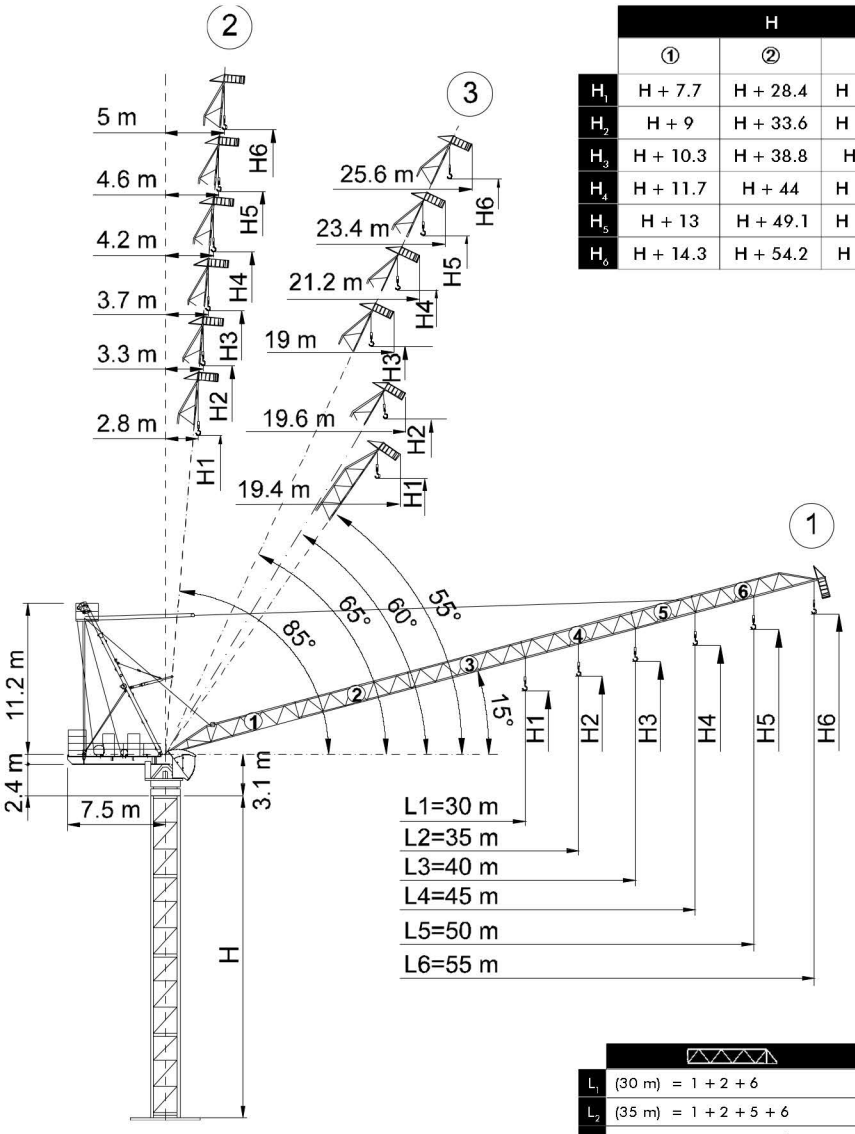
# TEREX | COMEDIL

## • Gru a torre a braccio impennabile
## Luffing Jib Tower Crane • Grue à tour à flèche relevable
## • Turmdrehkran mit Steilstellung-Ausleger
## • Grúa torre de pluma abatible

CTL 180-16 TS21c




| | H | | |
|---|---|---|---|
| | ① | ② | ③ |
| $H_1$ | H + 7.7 | H + 28.4 | H + 22.9 |
| $H_2$ | H + 9 | H + 33.6 | H + 28.8 |
| $H_3$ | H + 10.3 | H + 38.8 | H + 35 |
| $H_4$ | H + 11.7 | H + 44 | H + 39.7 |
| $H_5$ | H + 13 | H + 49.1 | H + 44.4 |
| $H_6$ | H + 14.3 | H + 54.2 | H + 49.1 |

**I**

| | |
|---|---|
| H | Altezza torre |
| ① | Sbraccio massimo |
| ② | Sbraccio minimo in servizio |
| ③ | Sbraccio minimo in fuori servizio |

**GB**

| | |
|---|---|
| H | Tower height |
| ① | Maximum jib |
| ② | Minimum jib (in service) |
| ③ | Minimum jib (out of service) |

**F**

| | |
|---|---|
| H | Hauteur mât |
| ① | Portée maxi. |
| ② | Portée min. en service |
| ③ | Portée min. hors service |

**D**

| | |
|---|---|
| H | Turmhöhe |
| ① | Max. Ausleger |
| ② | Mindst. Ausleger in Betrieb |
| ③ | Mindst. Ausleger außer Betrieb |

**E**

| | |
|---|---|
| H | Altura torre |
| ① | Pluma maxima |
| ② | Pluma minima en servicio |
| ③ | Pluma minima fuera de servicio |

| | |
|---|---|
| $L_1$ | (30 m) = 1 + 2 + 6 |
| $L_2$ | (35 m) = 1 + 2 + 5 + 6 |
| $L_3$ | (40 m) = 1 + 2 + 3 + 6 |
| $L_4$ | (45 m) = 1 + 2 + 3 + 5 + 6 |
| $L_5$ | (50 m) = 1 + 2 + 3 + 4 + 6 |
| $L_6$ | (55 m) = 1 + 2 + 3 + 4 + 5 + 6 |

CE **FEM 1.001 A3**

THE **ULTIMATE** CRANE™



UTE.DOC. REV.000 05_2005

TEREX | COMEDIL

# CTL 180-16

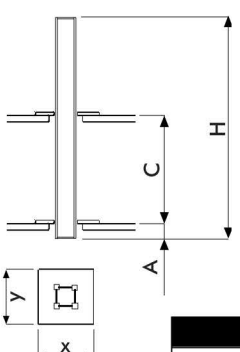
**Diagramma di portata** (I) **Courbes de charges** (F) **Curvas de cargas** (E)
**Load Diagram** (GB) **Lastkurven** (D)

## CTL 180-16

| | | | | | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8 t | | | - 25.5 | m | t | 8.00 | 8.00 | 8.00 | 6.33 | 4.97 | 3.95 | 3.15 | 2.52 | 2.00 |
| 8 t | | | - 28.6 | m | t | 8.00 | 8.00 | 8.00 | 7.46 | 5.90 | 4.73 | 3.82 | 3.10 | |
| | 12 t | | - 20.5 | m | t | 12.00 | 12.00 | 9.19 | 7.06 | 5.54 | 4.40 | 3.51 | 2.80 | |
| 8 t | | | - 29.70 | m | t | 8.00 | 8.00 | 8.00 | 7.90 | 6.31 | 5.12 | 4.20 | | |
| | 12 t | | - 21.2 | m | t | 12.00 | 12.00 | 9.70 | 7.53 | 5.97 | 4.80 | 3.90 | | |
| 8 t | | | - 29.3 | m | t | 8.00 | 8.00 | 8.00 | 7.75 | 6.18 | 5.00 | * | | |
| | 12 t | | - 22.0 | m | t | 12.00 | 12.00 | 10.19 | 7.97 | 6.38 | 5.20 | | | |
| | | 16 t | - 17.1 | m | t | 16.00 | 13.26 | 9.96 | 7.75 | 6.18 | 5.00 | | | |
| 8 t | | | - 29.8 | m | t | 8.00 | 8.00 | 8.00 | 7.95 | 6.40 | * | | | |
| | 12 t | | - 22.2 | m | t | 12.00 | 12.00 | 10.34 | 8.16 | 6.60 | | | | |
| | | 16 t | - 17.2 | m | t | 16.00 | 13.37 | 10.12 | 7.95 | 6.40 | | | | |
| 8 t | | | - 30.0 | m | t | 8.00 | 8.00 | 8.00 | 8.00 | | | | | |
| | 12 t | | - 22.9 | m | t | 12.00 | 12.00 | 10.81 | 8.60 | | | | | |
| | | 16 t | - 17.7 | m | t | 16.00 | 13.91 | 10.60 | 8.40 | | | | | |

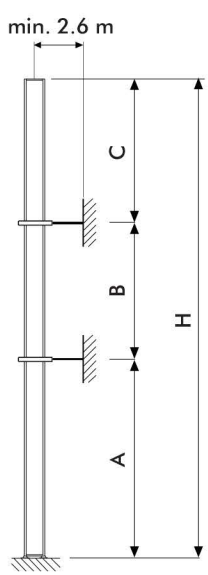
* = + 500 kg [ - 35 m - 40 m ]

**Altre installazioni** (I) **Autres implantations** (F) **Otras implantaciones** (E)
**Other configurations** (GB) **Aufstellmöglichkeiten** (D)




Gru climbing (I)
Bottom climbing crane (GB)
Télescopage sur dalles (F)
Kletterkran im Gebäude (D)
Telescopage grúa trepadora (E)

| TS 21c [m] | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | $L_1$ | $L_{2-3}$ | $L_{4-5}$ | $L_6$ | $L_1$ | $L_{2-3}$ | $L_{4-5}$ | $L_1$ | $L_{2-3}$ |
| $C_{min}$ | 13 | | | | 12 | | | 11 | |
| $H_{max}$ | 41.30 | 35.40 | 32.45 | 29.50 | 38.35 | 35.40 | 29.50 | 32.45 | 29.50 |
| $A_{min}$ | 2 | | | | | | | | |
| x | 2.8 | | | | | | | | |
| y | 2.3 | | | | | | | | |



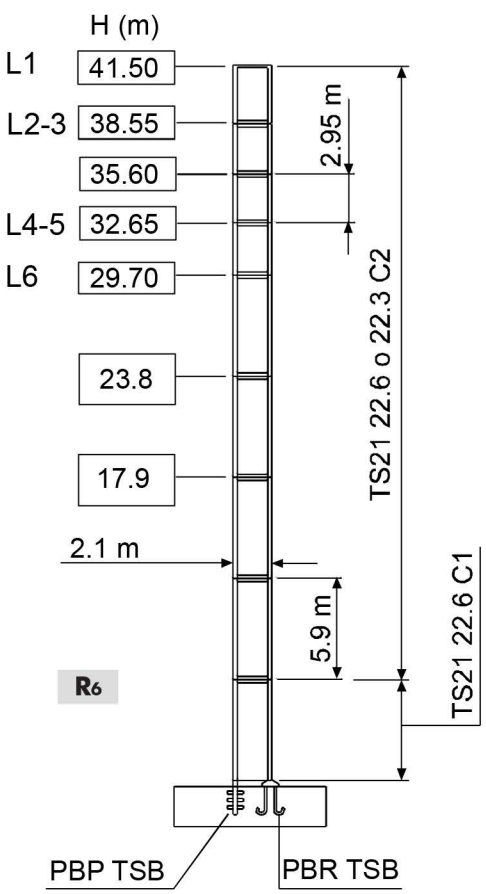

Gru ancorata (I)
Crane tied to the structure (GB)
Grue ancrée (F)
Geankerter Kran (D)
Grúa anclada (E)

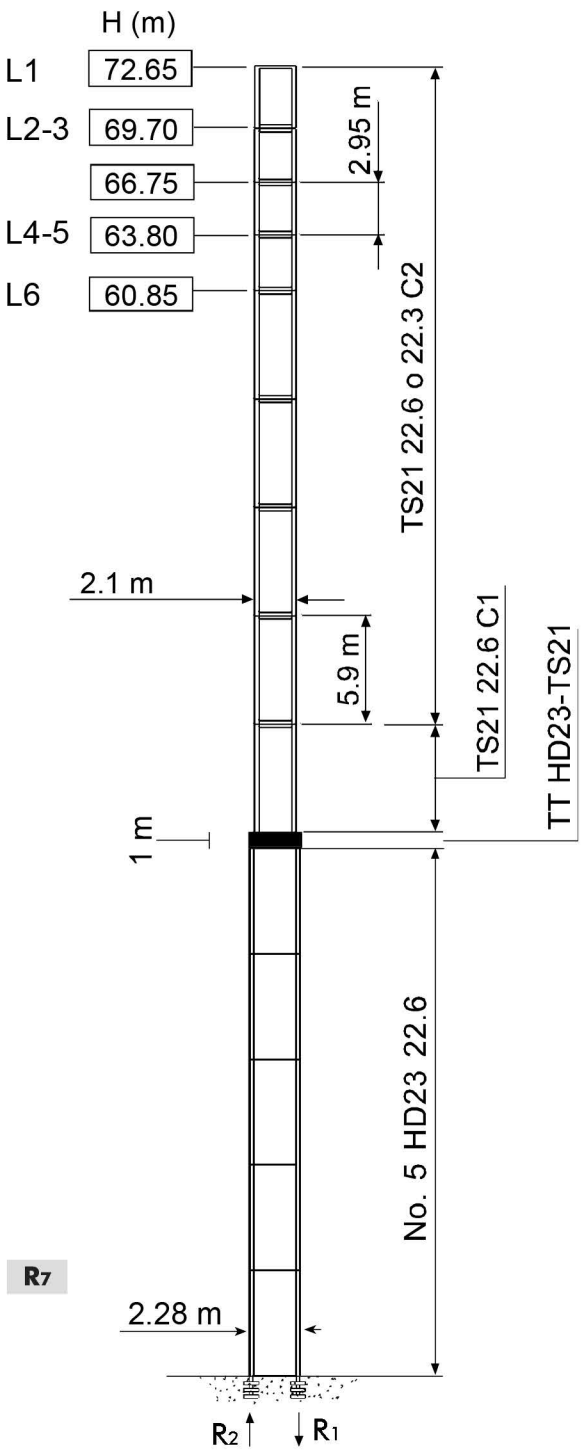
| TS 21c R6 [m] | | | |
|---|---|---|---|
| | $L_{1-2-3}$ | $L_{4-5}$ | $L_6$ |
| $A_{min/max}$ | 24/33 | 24/30 | 24/27 |
| $B_{min/max}$ | 17.7/23.6 | 17.7/23.6 | 17.7/23.6 |
| $C_{max}$ | 30 | 27 | 25 |
| $H_{max}$ | i | | |

i Consultateci (I) Consult us (GB) Nous consulter (F) Auf Anfrage (D) Consultarnos (E)

Torre (I) Tour (F) Torre (E)
Tower (GB) Turm (D)

# TS21c




| | | |
|---|---|---|
| H | Altezza torre | I |
| H | Tower height | GB |
| H | Hauteur mât | F |
| H | Turmhöhe | D |
| H | Altura torre | E |

| | | | | |
|---|---|---|---|---|
| | 45 AFC 80 | 125 kVA | 400 V - 50 Hz / 460 V - 60 Hz | 2000/14/CE |
| | 67 AFC 80 | 150 kVA | | |

| | | | m/min | t | kW | |
|---|---|---|---|---|---|---|
| | **45 AFC 80 R00**<br>**45 AFC 80 R01** | | 0 ⇒ 30 | 8 | 45 | 560 m (R00)<br>850 m (R01) |
| | | | 0 ⇒ 39 | 6 | | |
| | | | 0 ⇒ 56 | 4 | | |
| | | | 0 ⇒ 97 | 2 | | |
| | | | 0 ⇒ 110 | 1.7 | | |
| | | | 0 ⇒ 20 | 12 | | |
| | | | 0 ⇒ 26 | 9 | | |
| | | | 0 ⇒ 37 | 6 | | |
| | | | 0 ⇒ 64.5 | 3 | | |
| | | | 0 ⇒ 73.5 | 2.55 | | |
| | | | 0 ⇒ 15 | 16 | | |
| | | | 0 ⇒ 19.5 | 12 | | |
| | | | 0 ⇒ 28 | 8 | | |
| | | | 0 ⇒ 48.5 | 4 | | |
| | | | 0 ⇒ 55 | 3.4 | | |
| | **67 AFC 80 R00**<br>**67 AFC 80 R01** | | 0 ⇒ 41 | 8 | 67 | 560 m (R00)<br>850 m (R01) |
| | | | 0 ⇒ 53 | 6 | | |
| | | | 0 ⇒ 76 | 4 | | |
| | | | 0 ⇒ 135 | 2 | | |
| | | | 0 ⇒ 145 | 1.85 | | |
| | | | 0 ⇒ 27.5 | 12 | | |
| | | | 0 ⇒ 35.5 | 9 | | |
| | | | 0 ⇒ 50.5 | 6 | | |
| | | | 0 ⇒ 90 | 3 | | |
| | | | 0 ⇒ 96.5 | 2.78 | | |
| | | | 0 ⇒ 20.5 | 16 | | |
| | | | 0 ⇒ 26.5 | 12 | | |
| | | | 0 ⇒ 38 | 8 | | |
| | | | 0 ⇒ 67.5 | 4 | | |
| | | | 0 ⇒ 72.5 | 3.7 | | |

| | | | |
|---|---|---|---|
| | **LFC 45 R00**<br>**LFC 45 R01** | 2 min | 45 kW |
| | **SCC 2 2 100** | 0 ⇒ 0.75 r.p.m. | 2 × 7 kW |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Sollevamento | (I) | Hoisting | (GB) | Levage | (F) | Heben | (D) | Elevación | (E) |
| | Brandeggio | | Luffing | | Relevage | | Ausleger-Einziehen | | Elevación de pluma | |
| | Rotazione | | Slewing | | Orientation | | Schwenken | | Orientación | |
| | Traslazione | | Travelling | | Translation | | Schienenfahren | | Traslación | |
| | Direttiva sul livello acustico | | Directive on noise level | | Directive sur le niveau acoustique | | Richtlinie für den Schall-Leistungspegel | | Directiva sobre el nivel acustico | |
| | Consultateci | | Consult us | | Nous consulter | | Auf Anfrage | | Consultarnos | |
| | Potenza totale richiesta | | Power requirements | | Puissance totale nécessaire | | Geforderte Stromstärke | | Potencia necesaria | |
| | Alimentazione | | Power supply | | Alimentation | | Stromversorgung | | Alimentación | |

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