

## HOOK HEIGHTS \& MAST GOMPOSITIONS

| TS 213 Anchors | Quantities of: |  | $\begin{gathered} \text { HD } 23 \\ \text { Base } \end{gathered}$ |
| :---: | :---: | :---: | :---: |
|  | TS 213 Masts | TSK 213 Masts |  |
| HH | (Ht. = 19'-4 1/4"+) | ( $\mathrm{Ht} .=6{ }^{\prime}-6{ }^{\prime \prime}$ ) | HH |
| 619.7' $\ddagger$ | 32 | 1 | - |
| 600.3' $\ddagger$ | 31 | 1 | 617.5' $\ddagger$ |
| 581.0' $\ddagger$ | 30 | 1 | 598.2' $\ddagger$ |
| 561.6' $\ddagger$ | 29 | 1 | 578.8' $\ddagger$ |
| 542.3' $\ddagger$ | 28 | 1 | $559.4{ }^{\prime} \ddagger$ |
| 522.9' | 27 | 1 | 540.1' $\ddagger$ |
| 503.5 | 26 | 1 | 520.7 |
| 484.2' | 25 | 1 | $501.4^{\prime}$ |
| 464.8' | 24 | 1 | 482.0' |
| 445.5' | 23 | 1 | 462.7' |
| $426.1{ }^{1}$ | 22 | 1 | 443.3' |
| 406.8' | 21 | 1 | 423.9' |
| $387.4{ }^{\text {' }}$ | 20 | 1 | 404.6' |
| $368.0{ }^{\prime}$ | 19 | 1 | $385.2^{\prime}$ |
| $348.7{ }^{1}$ | 18 | 1 | $365.9{ }^{1}$ |
| 329.3' | 17 | 1 | $346.5{ }^{\prime}$ |
| 310.0' | 16 | 1 | 327.2 |
| $290.6{ }^{\prime}$ | 15 | 1 | $307.8^{\prime}$ |
| 271.3' | 14 | 1 | 288.4 |
| 251.9' | 13 | 1 | $269.1{ }^{\prime}$ |
| 232.5 | 12 | 1 | $249.7{ }^{1}$ |
| 213.2 | 11 | 1 | $230.4{ }^{1}$ |
| $206.7{ }^{\prime}$ | 11 | 0 | $223.9{ }^{1}$ |
| 193.8' | 10 | 1 | $211.0^{\prime}$ |
| 187.3' | 10 | 0 | 204.5 |
| 174.5' | 9 | 1 | 191.7' |
| 168.0' | 9 | 0 | 185.2' |
| $155.1{ }^{\prime}$ | 8 | 1 | $172.3^{\prime}$ |
| 148.6' | 8 | 0 | 165.8' |
| 135.8' | 7 | 1 | 152.9' |
| 129.3' | 7 | 0 | 146.4' |
| $116.4^{\prime}$ | 6 | 1 | $133.6^{\prime}$ |
| 109.9' | 6 | 0 | 127.1' |
| 97.1' | 5 | 1 | 114.2' |
| 90.6' | 5 | 0 | 107.7' |
| 77.7' | 4 | 1 | 94.9' |
| 71.2' | 4 | 0 | 88.4' |
| 58.3' | 3 | 1 | 75.5' |
| 51.8' | 3 | 0 | 69.0' |
| 39.0' | 2 | 1 | 56.2' |
| 32.5' | 2 | 0 | 49.7' |

Key:
\#\#\#.\#\# $\ddagger$ - indicates special hoist cable length is required; contact ALL for pricing.
indicates the maximum 2-part hook height with typical hoist cable length.
indicates the maximum 4-part hook height with typical hoist cable length. indicates the maximum freestanding hook height in standard wind areas (see notes below).


TOWER CRANE DIMENSIONS


TS 213 ANCHOR DIMENSIONS

Notes:

1. Maximum freestanding hook heights shown meet the requirements of ASME B30.3, EN14439, FEM1.001 \& FEM1.004 and were calculated with an out-of-service wind-from-any-side speed of 62.5 mph per FEM1.005 and a wind-from-rear speed of 90 mph per ASCE 7 with ASCE 7 Exposure Category C, Risk Category II and a 0.9 velocity reduction factor per ASCE 37-02 for project durations less than 5 year.
2. Maximum hook heights may not apply to all project sites due to variations in wind speeds, exposure categories, risk categories or topography factors. Contact ALL for maximum hook heights for project sites where the conditions stated above are not applicable.
3. Maximum freestanding hook heights shown are based on the use of standard ( 39 mm ) tower bolts. In some instances it is possible to increase the maximum freestanding hook heights by utilizing larger tower bolts; contact ALL for additional information.
4. Due to availability and ease of erection a maximum of one TSK 213 mast section has been used in the tabulated hook heights. Additional mast combinations are possible utilizing two or more TSK 213 mast sections. Confirm availability and pricing with ALL.
5. Maximum hook heights with respect to typical hoist cable length correspond to four operating rope layers in accordance with the Terex SK 575 Operating Manual specifications. 619.7 ' is the maximum 2-part hook height based on maximum drum capacity. Contact ALL for availability and pricing when hook heights in excess of the typical hoist cable length are required.

| Radius | QAPAGITHES |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 262'-6" (L9) Jib |  | 246'-1" (L8) Jib |  | 229'-8" (L7) Jib |  | 213'-3" (L6) Jib |  | 196'-10" (L5) Jib |  | 180'-5" (L4) Jib |  | 164'-1" (L3) Jib |  | 147'-8" (L2) Jib |  | 131'-3" (L1) Jib |  |
|  | $\begin{array}{\|c\|} \hline \text { 2-Part } \\ \text { (lbs) } \end{array}$ | $\begin{aligned} & \text { 4-Part } \\ & (\mathrm{lbs})^{*} \\ & \hline \end{aligned}$ | $\begin{gathered} \hline \text { 2-Part } \\ \text { (lbs) } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { 4-Part } \\ & (\mathrm{lbs})^{*} \end{aligned}$ | $\begin{array}{\|c} \hline \text { 2-Part } \\ \text { (lbs) } \end{array}$ | $\begin{aligned} & \text { 4-Part } \\ & (\mathrm{lbs})^{*} \\ & \hline \end{aligned}$ | $\begin{gathered} \hline \text { 2-Part } \\ \text { (lbs) } \end{gathered}$ | $\begin{aligned} & \text { 4-Part } \\ & (\mathrm{lbs})^{*} \\ & \hline \end{aligned}$ | $\begin{array}{\|l} \hline \text { 2-Part } \\ \text { (lbs) } \end{array}$ | $\begin{aligned} & \text { 4-Part } \\ & (\mathrm{lbs})^{*} \\ & \hline \end{aligned}$ | $\begin{gathered} \text { 2-Part } \\ \text { (lbs) } \\ \hline \end{gathered}$ | $\begin{aligned} & \text { 4-Part } \\ & (\mathrm{lbs})^{*} \end{aligned}$ | $\begin{array}{\|l\|} \hline \text { 2-Part } \\ \text { (lbs) } \\ \hline \end{array}$ | $\begin{aligned} & \hline \text { 4-Part } \\ & (\mathrm{lbs})^{*} \\ & \hline \end{aligned}$ | $\begin{aligned} & \text { 2-Part } \\ & \text { (lbs) } \end{aligned}$ | $\begin{aligned} & \text { 4-Part } \\ & (\mathrm{lbs})^{*} \end{aligned}$ | $\begin{gathered} \hline \text { 2-Part } \\ \text { (lbs) } \end{gathered}$ | $\begin{aligned} & \text { 4-Part } \\ & (\mathrm{lbs})^{*} \end{aligned}$ |
| 39'-4" | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 |
| 49'2" | 35,270 | 63,710 | 35,270 | 65,910 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 |
| 59'1" | 35,270 | 50,920 | 35,270 | 52,910 | 35,270 | 61,940 | 35,270 | 66,570 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 | 35,270 | 70,540 |
| 68'-11" | 35,270 | 42,100 | 35,270 | 43,650 | 35,270 | 51,360 | 35,270 | 55,330 | 35,270 | 59,960 | 35,270 | 63,490 | 35,270 | 64,590 | 35,270 | 66,570 | 35,270 | 68,120 |
| 75'6" | 35,270 | 37,470 | 35,270 | 39,020 | 35,270 | 45,850 | 35,270 | 49,600 | 35,270 | 53,570 | 35,270 | 56,870 | 35,270 | 57,980 | 35,270 | 59,740 | 35,270 | 61,060 |
| 82'0" | 35,270 | 33,730 | 35,270 | 35,050 | 35,270 | 41,440 | 35,270 | 44,750 | 35,270 | 48,500 | 35,270 | 51,360 | 35,270 | 52,460 | 35,270 | 54,010 | 35,270 | 55,330 |
| 91'-10" | 32,840 | 29,100 | 33,500 | 30,200 | 35,270 | 35,930 | 35,270 | 39,020 | 35,270 | 42,320 | 35,270 | 44,970 | 35,270 | 45,850 | 35,270 | 47,170 | 35,270 | 48,280 |
| 98'-5" | 30,200 | 26,450 | 30,860 | 27,770 | 35,270 | 33,060 | 35,270 | 35,710 | 35,270 | 38,800 | 35,270 | 41,220 | 35,270 | 42,100 | 35,270 | 43,430 | 35,270 | 44,530 |
| 111'-7" | 26,230 | 22,480 | 26,670 | 23,360 | 31,960 | 27,990 | 33,500 | 30,420 | 35,270 | 33,280 | 35,270 | 35,490 | 35,270 | 36,150 | 35,270 | 37,250 | 35,270 | 38,130 |
| 114'-10" | 25,350 | 21,600 | 25,790 | 22,480 | 30,860 | 27,110 | 32,400 | 29,320 | 35,050 | 31,960 | 35,270 | 34,170 | 35,270 | 34,830 | 35,270 | 35,930 | 35,270 | 36,810 |
| 121'-5" | 23,580 | 19,840 | 24,030 | 20,940 | 28,880 | 25,130 | 30,420 | 27,330 | 32,840 | 29,980 | 35,050 | 31,740 | 35,270 | 32,400 | 35,270 | 33,500 | 35,270 | 34,390 |
| 127'-11" | 22,260 | 18,510 | 22,700 | 19,400 | 27,330 | 23,360 | 28,650 | 25,570 | 30,860 | 27,990 | 33,060 | 29,760 | 33,280 | 30,420 | 33,730 | 31,520 | 35,270 | 32,180 |
| 131'-3" | 21,600 | 17,850 | 22,040 | 18,730 | 26,450 | 22,700 | 27,770 | 24,690 | 29,980 | 26,890 | 31,960 | 28,880 | 32,400 | 29,540 | 32,840 | 30,420 | 35,270 | - |
| 141'-1" | 19,620 | 16,090 | 20,060 | 16,750 | 24,250 | 20,500 | 25,570 | 22,260 | 27,550 | 24,470 | 29,540 | 26,230 | 29,760 | 26,890 | 30,200 | 27,770 |  |  |
| 144'-4" | 19,180 | 15,430 | 19,620 | 16,310 | 23,580 | 19,840 | 24,910 | 21,600 | 26,890 | 23,800 | 28,650 | 25,350 | 28,880 | 26,010 | 29,320 | 26,890 |  |  |
| 147'-8" | 18,510 | 14,990 | 18,950 | 15,650 | 22,920 | 19,180 | 24,250 | 20,940 | 26,230 | 23,140 | 27,990 | 24,690 | 28,210 | 25,130 | 28,650 | - |  |  |
| 154'-2" | 17,630 | 13,880 | 18,070 | 14,550 | 21,820 | 18,070 | 22,920 | 19,840 | 24,910 | 21,820 | 26,670 | 23,360 | 26,890 | 23,800 |  |  |  |  |
| 160'-9" | 16,750 | 13,000 | 17,190 | 13,660 | 20,720 | 16,970 | 21,820 | 18,510 | 23,580 | 20,500 | 25,350 | 22,040 | 25,570 | 22,480 |  |  |  |  |
| 164'-0" | 16,310 | 12,560 | 16,750 | 13,220 | 20,280 | 16,530 | 21,380 | 18,070 | 23,140 | 19,840 | 24,690 | 21,380 | 24,910 | - |  |  |  |  |
| 173'-11" | 15,210 | 11,460 | 15,430 | 12,120 | 18,950 | 14,990 | 19,840 | 16,530 | 21,600 | 18,290 | 23,140 | 19,620 |  |  |  |  |  |  |
| 177'-2" | 14,770 | 11,020 | 15,210 | 11,680 | 18,510 | 14,550 | 19,400 | 16,090 | 21,160 | 17,850 | 22,480 | 19,180 |  |  |  |  |  |  |
| 180'-5" | 14,550 | 10,800 | 14,770 | 11,240 | 18,070 | 14,100 | 18,950 | 15,650 | 20,500 | 17,410 | 22,040 | - |  |  |  |  |  |  |
| 187'-0" | 13,880 | 10,140 | 14,100 | 10,580 | 17,190 | 13,440 | 18,290 | 14,770 | 19,840 | 16,530 |  |  |  |  |  |  |  |  |
| 193'-7" | 13,220 | 9,470 | 13,440 | 10,140 | 16,530 | 12,780 | 17,410 | 14,100 | 18,950 | 15,650 |  |  |  |  |  |  |  |  |
| 196'-10" | 12,780 | 9,250 | 13,220 | 9,700 | 16,090 | 12,340 | 17,190 | 13,660 | 18,510 | - |  |  |  |  |  |  |  |  |
| 203'5" | 12,340 | 8,590 | 12,560 | 9,250 | 15,430 | 11,680 | 16,310 | 13,000 |  |  |  |  |  |  |  |  |  |  |
| 210'0" | 11,900 | 8,150 | 12,120 | 8,590 | 14,770 | 11,020 | 15,650 | 12,340 |  |  |  |  |  |  |  |  |  |  |
| 213'3" | 11,460 | 7,930 | 11,900 | 8,370 | 14,550 | 10,800 | 15,430 | - |  |  |  |  |  |  |  |  |  |  |
| 223'-1" | 10,800 | 7,270 | 11,240 | 7,710 | 13,660 | 9,920 |  |  |  |  |  |  |  |  |  |  |  |  |
| 226'-5" | 10,580 | 7,050 | 11,020 | 7,490 | 13,440 | 9,700 |  |  |  |  |  |  |  |  |  |  |  |  |
| 229'8" | 10,360 | 6,830 | 10,800 | 7,270 | 13,220 | - |  |  |  |  |  |  |  |  |  |  |  |  |
| 236'3" | 10,140 | 6,390 | 10,360 | 6,830 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 242'-9" | 9,700 | 5,950 | 9,920 | 6,390 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 246'1" | 9,470 | 5,730 | 9,700 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 252'-7" | 9,030 | 5,510 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 259'2" | 8,810 | 5,070 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 262'6" | 8,590 | - |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

GOUNTERWEIGHTS

| Weights | 262'-6" (L9) Jib | 246'-1" (L8) Jib | 229'-8" (L7) Jib | 213'-3" (L6) Jib | 196'-10" (L5) Jib | 180'-5" (L4) Jib | 164'-1" (L3) Jib | 147'-8" (L2) Jib | 131'-3" (L1) Jib |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3,200 lbs | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |
| 6,800 lbs | 10 | 9 | 10 | 9 | 10 | 9 | 8 | 8 | 7 |
| Total | $68,000 \mathrm{lbs}$ | $64,400 \mathrm{lbs}$ | $68,000 \mathrm{lbs}$ | $64,400 \mathrm{lbs}$ | $68,000 \mathrm{lbs}$ | $61,200 \mathrm{lbs}$ | $57,600 \mathrm{lbs}$ | $54,400 \mathrm{lbs}$ | 50,800 lbs |


|  |  |  |  |  |  |  |  | TEQMN/QAL DATA |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Function | Motor | Speed |  |  |  |  |  | Motor Output | Power Requirements |
| Hoist | SR WB 122-160/4F | 2-Part | 0-7,710 lbs | 490 fpm | 4-Part* | 0-15,430 lbs | 245 fpm | 165 HP | $300 \mathrm{~A}, 480 \mathrm{~V}$ AC, 60 Hz , 3-phase + ground, 277V/phase, $120^{\circ}$ shift/phase ${ }^{\wedge}$; Minimum 400kVa Generator |
|  |  |  | 7,711-13,220 lbs | 315 fpm |  | 15,431-26,450 lbs | 158 fpm |  |  |
|  |  |  | 13,221-22,040 lbs | 195 fpm |  | 26,451-52,910 lbs | 98 fpm |  |  |
|  |  |  | 22,041-35,270 lbs | 125 fpm |  | 52,911-70,540 lbs | 63 fpm |  |  |
| Trolley | FU 9-320/4 | 0-315 fpm |  |  |  |  |  | 12.2 HP |  |
| Slew | K WB 120/4 | 0-0.9 rpm |  |  |  |  |  | L1-L4: $2 \times 11.5 \mathrm{HP}$ |  |
|  |  |  |  |  |  |  |  | L5-L9: $3 \times 11.5 \mathrm{HP}$ |  |

## Notes:

*     - 4-Part capacities require two trolleys; contact ALL for pricing.
${ }^{\wedge}$ - Use of open delta transformers is prohibited.



## Notes:

1. Climbing section must be lowered to tie-in or removed prior to placing the crane in service.
2. Web of anchor stools and towers must be parallel with the face of the building to permit top climbing.
3. Standard tie-in layouts shown; alternate tie-in lengths available. Contact ALL for pricing.

| Designation |  | Illustration | QOMPONENT WENGMTS $\therefore$ MIASUR EMENTS |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Shipping Dimensions | Weight | Assembled Components Information ${ }^{5,6}$ |
|  |  | L (ft-in) | W (ft-in) |  | H (ft-in) | (lbs) |
| TS 213 (S60) Anchors ${ }^{1}$ |  |  | a) | 5'5" | 2'-2" | 2'-2" | 1,500 |  |
|  | Tower Section |  | $\xrightarrow{*}$ | 9'-11" | 9'-11" | 10'-3" | 23,300 |  |
|  | Strut ${ }^{1}$ |  | 18'-9" | 8'-7" | $2^{2-4 "}$ | 6,800 |  |
|  | Internal Beam ${ }^{1}$ | $\square$ | 13'3" | 0'-6" | 1'-2" | 600 |  |
|  | External Beam ${ }^{1}$ |  | 19'-3" | $1^{1-0 "}$ | $1^{\prime}-2{ }^{\prime \prime}$ | 1,500 |  |  |
|  | ST "S" Ballast | - | 16'-6" | 6'-3" | 1'-1" | 12,000 |  |  |
|  | 3/TS213 Trans. Mast ${ }^{2}$ |  | 9'-10" | 9'-10" | 8'-3' | 8,100 | TOWER TOP COMPLETE COUNTERJIB |  |
|  | 3/TS213 Adapter ${ }^{2}$ | , | 9'-10" | 8'-2" | 2'-2" | 7,400 |  |  |
|  | 13 Mast | $8 \geq 1$ | 19'-6" | 8'0" | 8'-0" | 9,900 | $W T=18,600$ LBS $W T=3,500$ LBS <br> INNER JIB TROLLEY + BLOCK |  |
|  | 213 Mast ${ }^{3}$ | $\sqrt{3}$ | 9'-10" | 8'-0" | 6'-8" | 6,400 |  |  |
|  | 213 Climbing Beam ${ }^{3}$ | , | 8'-8" | 0'-8" | 1'-0" | 600 | $\frac{W B, 1}{W T=11,300 \text { LBS }} \frac{W T=13,300 \text { LBS }}{}$ |  |
|  | 13/212 Top Climbing Section | $\square$ | 29'-3" | $11^{\prime}-6{ }^{\prime \prime}$ | 11'-6" | 25,050 |  |  |
|  | table (with 3 slewing motors) | eigs | 11'-9" | 7'-1" | 7'-5" | 26,600 | $\Omega_{36}$ |  |
|  | rators Cab, Catwalk and Platform | 1 | 16'-5" | 7'-3" | 8'-3" | 3,500 | $W T=17,600$ LBS OUTER JIB (L3) |  |
|  | er Top |  | 29'-6" | 6'-10" | 9'-8" | 11,200 | - |  |
|  | Counterijb |  | 31'-10" | 6'-8' | 2'-3" | 6,900 | $W T=17,400 L B S$ |  |
|  | Counterjib ${ }^{4}$ | ulthen | 38'10" | 7'-5' | 5'-11" | 25,300 |  |  |
|  | e Counterweight (BG 3.1 t) |  | 15'-4" | 5'-11" | 0'-8" | 6,800 | (6, |  |
|  | Il Counterweight (BG 1.45 t ) |  | 10'-4" | 5'-11" | 0'-8" | 3,200 | $W T=21,900 \mathrm{LBS}$ OUTER JIB (L5) |  |
|  | r Trolley + Block + Hook | 茄 | 10'-10" | 6'-7" | 6'-2" | 3,500 | 5 |  |
|  | Trolley + Block | Ex | 8'-2" | $6^{\prime}-7{ }^{\prime \prime}$ | 4'-9" | 3,100 |  |  |
|  |  <br> e) | 而 | 39'-0" | 6'-6" | 6'-11" | 8,400 | ER JIB (L6) |  |
|  | Section 2 | स2 | 40'-6" | $6^{\prime}-6{ }^{\prime \prime}$ | 7'-3' | 6,500 | 4. |  |
|  | Section 3 (with Queens Post) | , | 38'-10" | 6'-6" | 7'-7" | 5,500 | $W T=24,700$ LBS OUTER JIB (L7) |  |
|  | Section 4 | $2 n$ | 18'-8" | 6'-6" | 6'-10' | 2,300 |  |  |
|  | Section 5 | +2x+es | 35'-0" | 6'-6" | 6'-11" | 4,400 | $W T=21,700 \mathrm{LBS}$ |  |
|  | Section 6 | स2es | $35 ' 5{ }^{\prime \prime}$ | 6'-6" | $6^{\prime \prime-4 "}$ | 4,100 | OUTER JIB (L8) <br> (continued on Page 6) |  |
| 5 |  |  |  |  |  |  |  |  |

## COMPONENT WEIGHTS \& MEASUREMENTS (continued)

| Designation | Illustration | Shipping Dimensions |  |  | Weight | Assembled Components Information ${ }^{5,6}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | L (ft-in) | W (ft-in) | H (ft-in) | (lbs) |  |
| Jib Section 7 | 2ers | 33'-6" | 6'-6" | 6'-3' | 2,600 | ( |
| Jib Section 8 | 是 | 33'-5" | 6'-6" | $6^{\prime}-2{ }^{\prime \prime}$ | 1,600 |  |
| Jib Tip | $\frac{31}{3 t}$ | $4^{\prime}-6{ }^{\prime \prime}$ | 6'-8" | $5{ }^{\prime}-0^{\prime \prime}$ | 1,400 | $W T=25,400 L B S$ <br> OUTER JIB (L9) |

## Notes:

1) Weight and Dimensions are per component; one complete set requires four (4) components.
2) Either the HD23/TS213 Transition Mast or the HD23/TS213 Adapter must be installed immediately above the HD23 Base.
3) TSK213 and two (2) TSK213 Climbing Beams are required to top climb this crane. Climbing beam information shown is per component.
4) Includes 108 HP Hoist Deck ( $9,300 \mathrm{lbs}$ ) and hoist cable ( $3,300 \mathrm{lbs}$ ).
5) Sizes and rigging shown are approximate and are for general illustration. Consult the crane specific Operator's Manual for Assembly/Dismante procedures, weights and rigging recommendations. Crane assembly and dismantle shall be carried out under the supervision of a qualified technician.
6) Weights shown are approximate and have been rounded. Weights do not include rigging weight or any weights associated with the assist crane's hook, block or hoist line. Where applicable, pendant lines and wire rope weights associated with the tower crane have been included. Rigging shall only be conducted by a qualified rigger; weights shown shall be verified prior to lifting.

## NOTES

Effective Date: December 2016
Product data sheets are subject to change without notice or obligation. Contact ALL Tower Crane for information.
The photographs and/or drawings in this document are for illustrative purposes only. Refer to the appropriate Operator's Manual for instructions on the proper use of this equipment. Failure to follow the appropriate Operator's Manual when using our equipment or to otherwise act irresponsibly may result in serious injury or death. Products listed may be trademarks, service marks or trade-names of Terex Corporation and/or its subsidiaries in the USA and other countries. All rights are reserved. Terex $®$ is a registered trademark of Terex Corporation in the USA and many other countries.

