



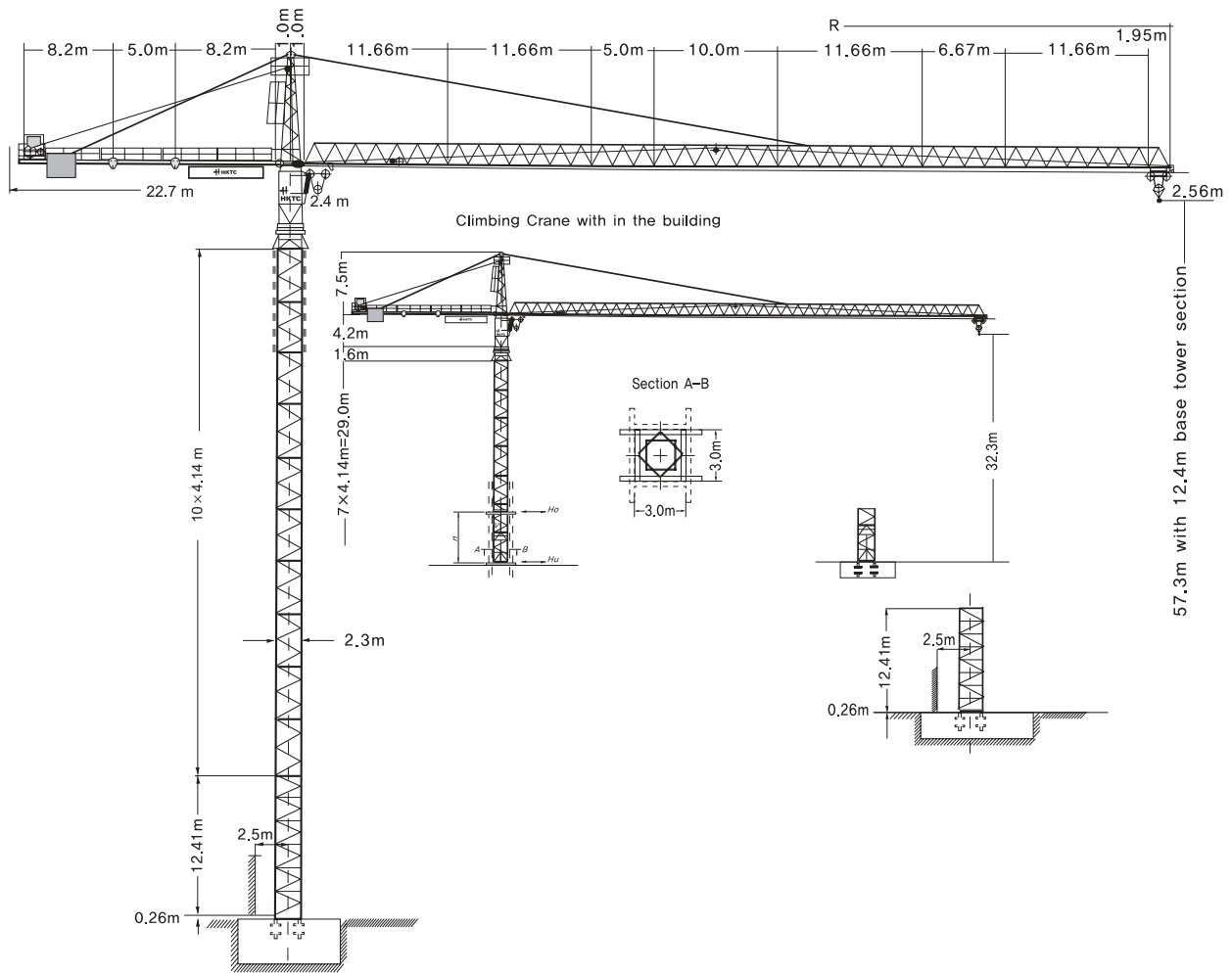
ISO 9001 : 2000  
 ISO 14001 : 2004  
 KSA 9001 : 2001



# 290HC TOWER CRANE



# HANKOOK TOWER CRANE



## Hoisting height

| Number of tower section | Stationary type | Travelling type |
|-------------------------|-----------------|-----------------|
|                         | m               | m               |
| 0                       | 12.4            | 17.1            |
| 1                       | 16.6            | 21.2            |
| 2                       | 20.7            | 25.4            |
| 3                       | 24.8            | 29.6            |
| 4                       | 29.0            | 33.7            |
| 5                       | 33.1            | 37.8            |
| 6                       | 37.3            | 41.9            |
| 7                       | 41.4            | 46.1            |
| 8                       | 45.5            | 50.2            |
| 9*                      | 49.7            | 54.4            |
| 10*                     | -               | -               |

※Lower guide section after erection, / Further hoist height on request

# Technical data

## Data for rail-going crane

|   |                 |
|---|-----------------|
| Wheel gauge                             | 6.0m order 8.0m |
| Track gauge                             | 6.0m order 8.0m |
| Interior curve radius(6m-undercarriage) | 12.5m           |



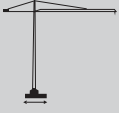
|   |          |
|---|----------|
| Interior curve radius(8m-undercarriage) | 12.5m    |
| Dead weight(6m-undercarriage)           | 85,000kg |
| Dead weight(8m-undercarriage)           | 92,000kg |

※Max. hoisting height + max. radius

## Radius and capacity

| Length of jib<br>(Slewing radius)<br>m | MAX<br>Capacity<br>m/kg | Radius and capacity |       |       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|--|-------------------------|---------------------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|  |                         | 25.0                | 28.0  | 31.7  | 34.0 | 36.7 | 38.0 | 40.0 | 42.0 | 43.3 | 45.0 | 48.3 | 51.0 | 53.0 | 55.0 | 57.0 | 60.0 | 62.0 | 65.0 | 67.0 | 70.0 |
| 70.0(R=71.36)                          | 2.2-19.1<br>12000       | 10000               | 9277  | 8050  | 7420 | 6785 | 6510 | 6130 | 5780 | 5570 | 5310 | 4870 | 4550 | 4330 | 4130 | 3950 | 3690 | 3540 | 3320 | 3190 | 3000 |
| 65.0(R=66.36)                          | 2.2-22.4<br>12000       | 10000               | 9700  | 8420  | 7770 | 7110 | 6820 | 6420 | 6060 | 5840 | 5575 | 5110 | 4780 | 4560 | 4350 | 4150 | 3890 | 3730 | 3500 |      |      |
| 60.0(R=61.36)                          | 2.2-24.1<br>12000       | 11352               | 10160 | 8820  | 8140 | 7450 | 7160 | 6740 | 6360 | 6130 | 5860 | 5380 | 5030 | 4800 | 4580 | 4380 | 4100 |      |      |      |      |
| 55.0(R=56.36)                          | 2.2-25.0<br>12000       | 12000               | 10595 | 9210  | 8500 | 7790 | 7480 | 7045 | 6650 | 6420 | 6130 | 5630 | 5270 | 5030 | 4800 |      |      |      |      |      |      |
| 48.33(R=49.7)                          | 2.2-26.0<br>12000       | 12000               | 11070 | 9625  | 8890 | 8145 | 7820 | 7370 | 6960 | 6720 | 6420 | 5900 |      |      |      |      |      |      |      |      |      |
| 43.33(R=44.7)                          | 2.2-27.0<br>12000       | 12000               | 11500 | 10010 | 9250 | 8480 | 8145 | 7680 | 7250 | 7000 |      |      |      |      |      |      |      |      |      |      |      |
| 36.67(R=38.0)                          | 2.2-27.8<br>12000       | 12000               | 11930 | 10390 | 9600 | 8800 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 31.67(R=33.0)                          | 2.2-29.3<br>12000       | 12000               | 12000 | 11000 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

## Speeds

|  |                                 |          |
|--|---------------------------------|----------|
|  | 0.9 sl./min                     | 2X6.3 kW |
|  | 8.0/16.0/50.0/95.0 m/min        | 5.5 kW   |
|  | 25.0m/min with 6m-undercarriage | 2X7.5 kW |

※Total motor output

94.1 kW

| Hoist gear         | Gear | kg    | m/min      |
|--------------------|------|-------|------------|
| 61.0kW, Elmag, WSB | 1    | 12000 | 1.4/14.0   |
|                    | 2    | 5000  | 5.1/51.0   |
|                    | 3    | 2100  | 10.1/101.0 |



# 290HC Packing List

| Item | Quantity   | Description   | This list cannot be used for the calculation of the smallest transport volume. | Length m                 | Width m                  | Height m                 | Unit weight kg       | Total weight kg |
|------|------------|---|--|--------------------------|--------------------------|--------------------------|----------------------|-----------------|
| 1    | 2          | Rail bogie with drive   |  | 1,63<br>( )*(1,46)       | 0,92<br>(0,84)           | 0,95<br>(0,87)           | 1450<br>(1080)       | 2900<br>(2160)  |
| 2    | 2          | Rail bogie without drive                                      |  | 1,37<br>(1,15)           | 0,62<br>(0,60)           | 0,95<br>(0,87)           | 1255<br>(800)        | 2510<br>(1600)  |
| 3    | 1          | Support arm long  |  | 9,10<br>(11,95)          | 0,80<br>(0,82)           | 0,80<br>(0,80)           |                      | 1650<br>(2200)  |
| 4    | 2          | Support arm short   |  | 4,45<br>(5,85)           | 0,77<br>(0,65)           | 0,77<br>(0,77)           | 800<br>(1035)        | 1600<br>(2070)  |
| 5    | 2+2<br>2+2 | Border support  |  | 5,46-5,40<br>(7,52-7,46) | 0,11-0,18<br>(0,10-0,17) | 0,16-0,38<br>(0,10-0,38) | 175-525<br>(366-912) | 1400<br>(2556)  |
| 6    | 4          | Support strut   |  | 4,14<br>(6,55)           | 0,18<br>(0,22)           | 0,25<br>(0,25)           | 320<br>(600)         | 1320<br>(2400)  |
| 7    | 1          | Guide section cpl   |  | 8,39                     | 2,80                     | 2,50                     |                      | 4070            |
| 8    | 1          | Undercarriage tower section                                   |  | 3,73<br>(6,70)           | 2,62<br>(2,53)           | 2,62<br>(2,53)           |                      | 2550<br>(3800)  |
| 9    | 10         | Tower section   |  | 4,14                     | 2,30                     | 2,30                     | 2260                 | 20430           |
| 10   | 1          | Slewing platform cpl, with ball slewing ring and ring support |  | 6,24                     | 2,74                     | 2,57                     |                      | 9300            |
| 11   | 1          | Tower head section  |  | 8,88                     | 1,64                     | 1,80                     |                      | 2560            |
| 12   | 1          | Counter-jib head  |  | 9,10                     | 2,42                     | 0,92                     |                      | 3260            |
| 13   | 1          | Counter-jib heel section and guying                           |  | 8,44                     | 1,77                     | 0,92                     |                      | 2020            |
| 14   | 1          | Intermediate counter-jib section                              |  | 5,22                     | 1,76                     | 0,92                     |                      | 2580            |
| 15   | 1          | Jib heel section and guying                                   |  | 12,02                    | 1,84                     | 1,96                     |                      | 2980            |
| 16   | 3          | Intermediate jib section                                      |  | 12,02                    | 1,63                     | 1,87                     | 2165<br>2070<br>1200 | 5435            |
| 17   | 2          | Intermediate jib section                                      |  | 5,36                     | 1,63                     | 1,87                     | 925<br>1015          | 1940            |
| 18   | 1          | Intermediate jib section                                      |  | 10,36                    | 1,63                     | 1,87                     |                      | 1864            |
| 19   | 1          | Jib head  |  | 2,21                     | 1,84                     | 1,14                     |                      | 330             |
| 20   | 1          | Trolley   |  | 1,89                     | 1,83                     | 1,20                     |                      | 335             |
| 21   | 1          | Base tower section  |  | 8,85                     | 2,30                     | 2,30                     |                      | 4380<br>(7550)  |
| 22   | 1          | Platforms   |  | 5,00                     | 1,50                     | 2,00                     |                      | 2300            |
| 23   | 1          | Hydraulic system, supporting and climbing cross members       |  | 2,10                     | 1,25                     | 1,00                     |                      | 800             |
| 24   | 2          | Long tower section  |  | 12,42                    | 2,3                      | 2,3                      |                      | 5520            |
| 25   | 1          | Hoist gear frame  |  | 2,56                     | 2,28                     | 1,64                     |                      | 3500            |
| 26   | 1          | Crate with small parts, ropes and foundation angle irons      |  | 1,1                      | 1,0                      | 1,24                     |                      | 3000            |



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