

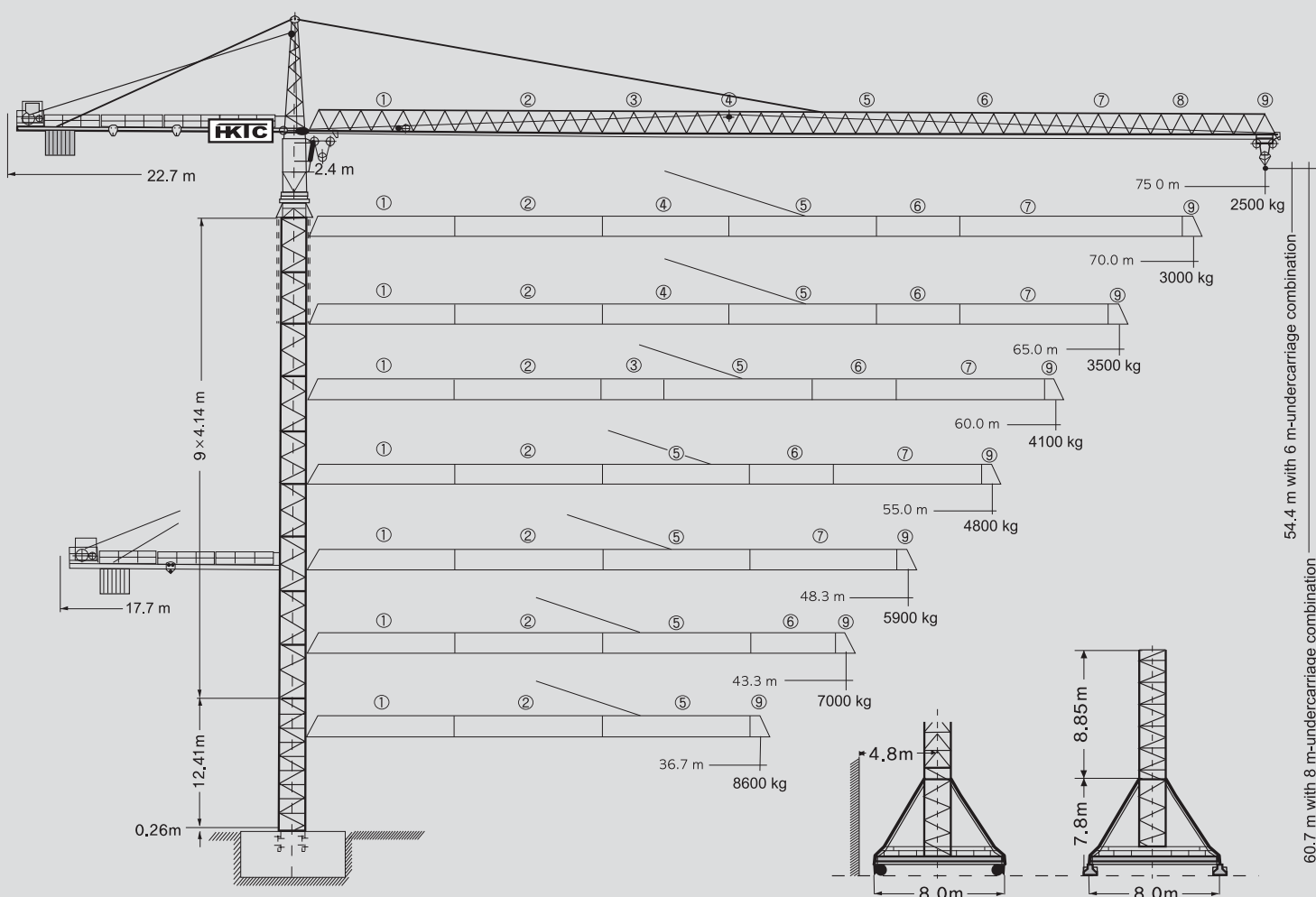


ISO 9001:2000
ISO 14001:2004
KSA 9001:2001

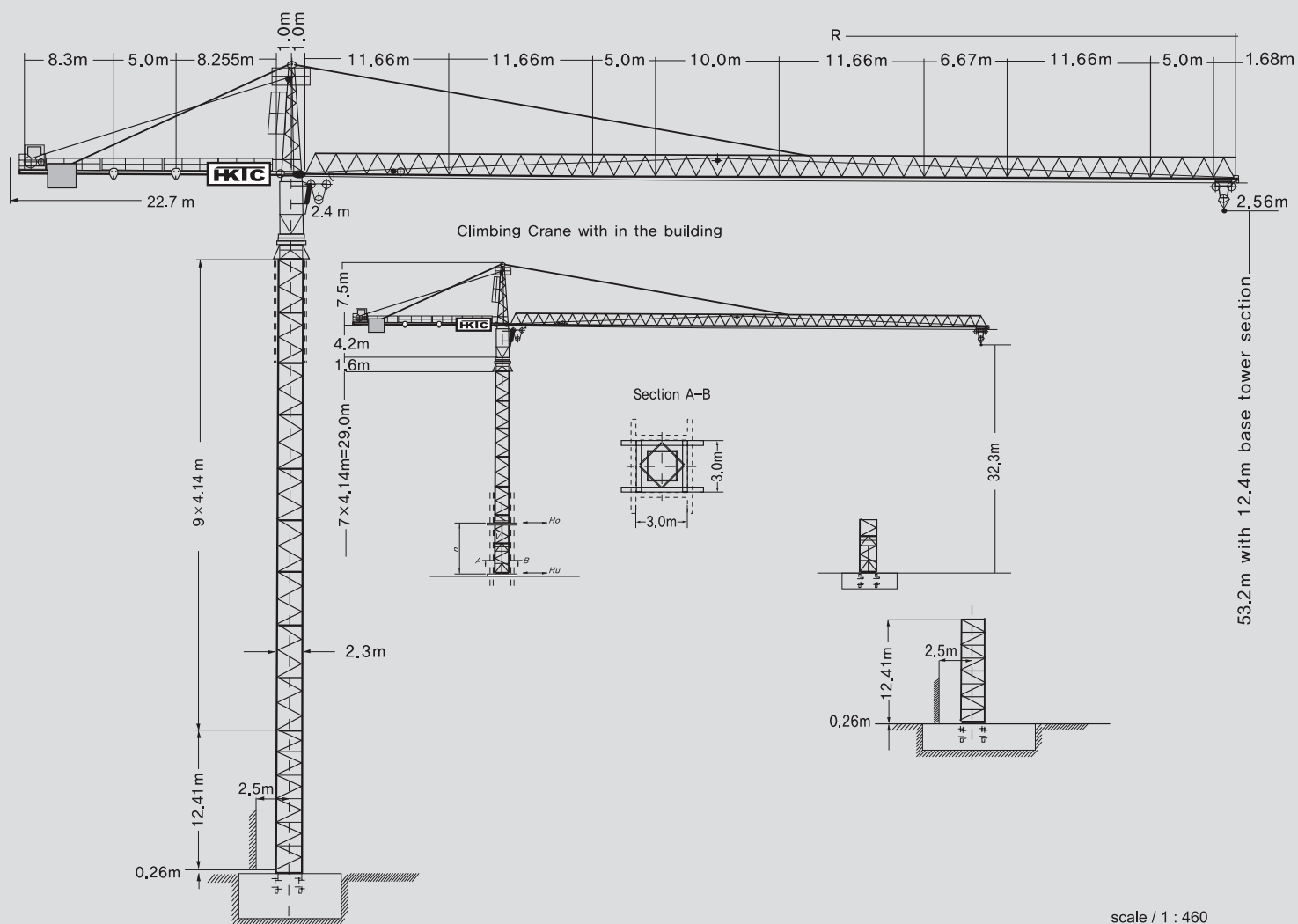


290HC 16 TOWER CRANE

with 6m-and 8m-undercarriage combination



HANKOOK CRANE & TECH



















Hoisting height

| Data for type with 6m-undercarriage/8,85m base tower | | | Data for type with 8m-undercarriage/12,4m base tower | |
|--|-----------------|-----------------|--|-----------------|
| Number of tower sections | Hoisting height | | Hoisting height | |
| | stationary type | Travelling type | stationary type | Travelling type |
| | m | m | m | m |
| 0 | 12,4 | 17,1 | 16,0 | 23,5 |
| 1 | 16,6 | 21,2 | 20,1 | 27,7 |
| 2 | 20,7 | 25,4 | 24,3 | 31,8 |
| 3 | 24,8 | 29,6 | 28,4 | 35,9 |
| 4 | 29,0 | 33,7 | 32,5 | 40,0 |
| 5 | 33,1 | 37,8 | 36,7 | 44,1 |
| 6 | 37,3 | 41,9 | 40,8 | 48,2 |
| 7 | 41,4 | 46,1 | 45,0 | 52,4 |
| 8 | 45,5 | 50,2 | 49,1 | 56,5 |
| 9* | 49,7 | 54,4 | 53,2 | 60,7 |

※ Lower guide section after erection. / Further hoist heights on request.

Radius and capacity



| Length of jib (Slewing radius) | | MAX. Capacity | Radius and capacity | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|---|-------------------|---------------------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | | | 20 | 25 | 28 | 31,7 | 34 | 36,7 | 38 | 40 | 42 | 43,3 | 45 | 48,3 | 51 | 53 | 55 | 57 | 60 | 62 | 65 | 67 | 70 | 75 |
| m | | m/kg | | | | | | | | | | | | | | | | | | | | | | |
| 75.0 (R = 76,36) |  | 2,2-16,0 12000 | 10000 | 9280 | 8130 | 7020 | 6480 | 5940 | 5670 | 5320 | 5020 | 4840 | 4610 | 4220 | 3930 | 3730 | 3360 | 3390 | 3160 | 3020 | 2870 | 2710 | 2550 | 2300 |
| |  | 2,2-30,5 8000 | 8000 | 8000 | 8000 | 7140 | 6670 | 6120 | 5650 | 5510 | 5210 | 5030 | 4690 | 4410 | 4130 | 3950 | 3550 | 3580 | 3300 | 3220 | 3070 | 2920 | 2750 | 2500 |
| 70.0 (R = 71,36) |  | 2,2-16,0 12000 | 10000 | 10000 | 9110 | 7870 | 7240 | 6600 | 6330 | 5940 | 5590 | 5380 | 5120 | 4680 | 4360 | 4110 | 3940 | 3750 | 3400 | 3340 | 3120 | 2990 | 2800 | |
| |  | 2,2-31,7 8000 | 8000 | 8000 | 8000 | 7420 | 6790 | 6510 | 6130 | 5780 | 5570 | 5310 | 4870 | 4550 | 4330 | 4130 | 3950 | 3690 | 3540 | 3320 | 3190 | 3000 | | |
| 65.0 (R = 66,36) |  | 2,2-17,0 12000 | 10000 | 10000 | 9530 | 8240 | 7590 | 6920 | 6640 | 6230 | 5870 | 5650 | 5380 | 4920 | 4590 | 4360 | 4150 | 3960 | 3690 | 3530 | 3300 | | | |
| |  | 2,2-32,5 8000 | 8000 | 8000 | 8000 | 7770 | 7110 | 6820 | 6420 | 6060 | 5840 | 5575 | 5110 | 4780 | 4560 | 4350 | 4150 | 3890 | 3730 | 3500 | | | | |
| 60.0 (R = 61,36) |  | 2,2-18,0 16000 | 16000 | 11360 | 9980 | 8640 | 7960 | 7270 | 6970 | 6550 | 6170 | 5940 | 5660 | 5180 | 4830 | 4600 | 4380 | 4180 | 3900 | | | | | |
| |  | 2,2-34,0 8000 | 8000 | 8000 | 8000 | 8000 | 7450 | 7160 | 6740 | 6360 | 6130 | 5860 | 5380 | 5030 | 4800 | 4580 | 4380 | 4100 | | | | | | |
| 55.0 (R = 56,36) |  | 2,2-19,0 16000 | 16000 | 12070 | 10610 | 9200 | 8480 | 7750 | 7430 | 6990 | 6590 | 6350 | 6060 | 5550 | 5180 | 4930 | 4700 | | | | | | | |
| |  | 2,2-35,0 8000 | 8000 | 8000 | 8000 | 8000 | 7790 | 7480 | 7050 | 6650 | 6420 | 6130 | 5630 | 5270 | 5030 | 4800 | | | | | | | | |
| 48,33 (R = 49,7) |  | 2,2-20,0 16000 | 16000 | 12570 | 11050 | 9590 | 8840 | 8080 | 7760 | 7300 | 6880 | 6630 | 6330 | 5800 | | | | | | | | | | |
| |  | 2,2-36,7 8000 | 8000 | 8000 | 8000 | 8000 | 8000 | 7820 | 7370 | 6960 | 6720 | 6420 | 5900 | | | | | | | | | | | |
| 43,33 (R = 44,7) |  | 2,2-20,0 16000 | 16000 | 13030 | 11470 | 9960 | 9180 | 8400 | 8060 | 7590 | 7160 | 6900 | | | | | | | | | | | | |
| |  | 2,2-38,0 8000 | 8000 | 8000 | 8000 | 8000 | 8000 | 8000 | 8000 | 7680 | 7250 | 7000 | | | | | | | | | | | | |
| 36,67 (R = 38,0) |  | 2,2-21,0 16000 | 16000 | 13330 | 11730 | 10190 | 9400 | 8600 | | | | | | | | | | | | | | | | |
| |  | 2,2-36,7 8000 | 8000 | 8000 | 8000 | 8000 | 8000 | 8000 | | | | | | | | | | | | | | | | |

Speeds

| | | |
|------------|--|----------|
| Slewing | 0,7 sl./min | 2× 6,3kW |
| Trolley | 0 - 110 m/min | 7,5kW |
| Travelling | 25,0 m/min with 8 m - undercarriage 25,0 m/min with 6 m - undercarriage | 2× 7,5kW |

※Total motor output










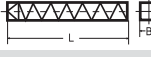
58(73)kw

| Hoist gear | | Gear | | kg | m/min |
|---|---|------|--|-------|-----------|
| 37,5 kw, WIW 240 RX054 Elmag, WSB Hoisting height 150m (5 layers) |  | 1 | | 8000 | 1,4/20,0 |
| | | 2 | | 3200 | 3,3/50,0 |
| | | 3 | | 1400 | 6,7/100,0 |
| |  | 1 | | 16000 | 0,7/10,0 |
| | | 2 | | 6400 | 1,6/25,0 |
| | | 3 | | 2800 | 3,3/50 |

※Total power requirement (with a simultaneity factor of 0,8)

HANKOOK CRANE & TECH CO., LTD.

290HC 16 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 ()* | 0.92 (0.84) | 0.95 (0.87) | 14 50 (1080) | 29 00 (2160) |
| 2 | 2 | Rail bogie without drive |  | 1.37 (1.15) | 0.62 (0.60) | 0.95 (0.87) | 1 255 (800) | 25 10 (1600) |
| 3 | 1 | Support arm long |  | 9.10 (11.95) | 0.80 (0.82) | 0.80 (0.80) | | 1650 (2200) |
| 4 | 2 | Support arm short |  | 4.45 (5.85) | 0.77 (0.65) | 0.77 (0.77) | 800 (1035) | 1600 (2070) |
| 5 | 2+2 2+2 | Border support |  | 5.46-5.40 (7.52-7.46) | 0.11-0.18 0.10-0.17 | 0.16-0.38 0.10-0.38 | 175-525 366-912 | 1400 (2556) |
| 6 | 4 | Support strut |  | 4.14 (6.55) | 0.18 (0.22) | 0.25 (0.25) | 320 (600) | 1320 (2400) |
| 7 | 1 | Guide section cpl |  | 8.39 | 2.80 | 2.50 | | 4070 |
| 8 | 1 | Undercarriage tower section |  | 3.73 (6.70) | 2.62 (2.53) | 2.62 (2.53) | | 2 550 (3800) |
| 9 | 9 | Tower section |  | 4.14 | 2.30 | 2.30 | 2 260 | 20340 |
| 10 | 1 | Slewing platform cpl. with ball slewing ring and ring support |  | 6.24 | 2.74 | 2.57 | | 9080 |
| 11 | 1 | Tower head section |  | 8.88 | 1.64 | 1.80 | | 2560 |
| 12 | 1 | Counter-jib head |  | 8.06 | 2.42 | 0.92 | | 2580 |
| 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 | 2 165 2 070 1 200 | 5435 |
| 17 | 3 | Intermediate jib section |  | 5.36 7.03 | 1.63 | 1.87 | 925 1015 | 2865 |
| 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 (12.42) | 2.30 (2.30) | 2.30 (2.30) | | 4380 (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 | 1 | Base tower section |  | 12.42 | 2.3 | 2.3 | | 5520 |
| 25 | 1 | Hoist gear frame |  | 4.12 | 2.40 | 1.66 | | 4790 |
| 26 | 1 | Crate with small parts, ropes and foundation angle irons | | 1.1 | 1.0 | 1.24 | | 3000 |



Head Office : 176 Eunam-ri, Chopyeung-myeon, Jincheon-gun, Chungbuk, Korea (365-852) TEL,+82-43-838-3311 FAX,+82-43-838-3361
 Seoul Office : 197-28, 13F E&C Venture Dream Tower VI, Guro-dong Guro-Gu, Seoul, Korea TEL,+82-2-830-0040 FAX,+82-2-830-0065
 Viet Nam : Road 25B, Nhon Trach 2 Industrial Park, Nhon Trach District, Dong Nai Province TEL,+84-61-356-9500 FAX,+84-61-356-9501
 Gulf Branch : P.O.Box 18379, JAFZ Dubai, U.A.E TEL,+971-4-8815727 FAX,+971-4-8815728
 Qatar Office : P.O.Box 55654, Doha, Qatar TEL,+974-466-1326 FAX,+974-465-0049