



**QTZ125 Tower Crane**

|  |                   |
|--|-------------------|
| Load moment                            | 1250Kn·m          |
| Max. load weight                       | 8t                |
| Hoisting height(free mode)             | 52m               |
| Hoisting height(attached mode)         | 200m              |
| Slewing speed                          | 0.6m/min          |
| Radius changing speed                  | 60/30/9.5m/min    |
| Climbing speed                         | 0.4m/min          |
| Hoisting speed                         | 50/100r/min       |
| Min. load-lowering speed               | 4m/min            |
| Outline dimension                      |                   |
| From jib end to slewing center         | 51.4m,56.4m 61.4m |
| From counter jib end to slewing center | 14.2m             |

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|                               |                             |
|-------------------------------|-----------------------------|
| Counter weight                | 16100kg, 17600kg, 19100kg   |
| Electrical motor power        | 44.8kw                      |
| Max. working wind pressure    | 250N/m <sup>2</sup>         |
| Non-work wind pressure        | 800N/m <sup>2</sup>         |
| Permitted working temperature | -20~ 40℃                    |
| Mechanism load ratio          |                             |
| Hoisting mechanism            | M5                          |
| Slewing mechanism             | M4                          |
| Towing mechanism              | M4                          |
| Electrical motor              |                             |
| Model                         | YZDW250-8/4                 |
| Output                        | 37/37kW                     |
| Rotation speed                | 716/1400r/min               |
| Reducer                       |                             |
| Central distance(mm)          | 600                         |
| Transmission ratio(i)         | 16                          |
| Steel cable                   |                             |
| Configuration                 | 6*19W-14.5-170-I-光-右交       |
| Max. traction(N)              | 20000                       |
| Drum                          |                             |
| Cable capacity(m)             | 480                         |
| Layers                        | 4                           |
| Ratio                         | a=2                         |
| Load weight                   | 3t, 3t, 1.5t                |
| Hoisting speed                | 8.5m/min, 40m/min, 80m/min  |
| Ratio                         | a=4                         |
| Load weight                   | 6t, 6t, 3t                  |
| Hoisting speed                | 4.25m/min, 20m/min, 40m/min |
| Electrical motor              |                             |
| Model                         | ZYR132M2-6                  |
| Output(Kw)                    | 3.7*2                       |
| Rotation speed (r/min)        | 908                         |
| Reducer                       |                             |
| Model                         | XX4-100-195C-001            |
| Transmission ratio (i)        | 195                         |
| Fluid coupling                |                             |
| Model                         | YOX-280A                    |
| Output gear parameter         |                             |
| Modulus (m)                   | 12                          |

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|  |             |
|--|-------------|
| Tooth quantity(Z)                                      | 17          |
| Modification coefficient (X)                           | 0.5         |
| One line, 4 points touching, ball mode slewing bearing |             |
| Model  | 011.45.1400 |
| Modulus(m)   | 12          |

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