



### Engine

Engine for chassis ----- Cummins ISME420 30  
 Type ----- Turbocharged, water cooled  
 Rated power ----- 306KW  
 Rated speed ----- 1900rpm  
 Engine for upperstructure ----- Volvo TAD720VE  
 Type ----- Turbocharged, water cooled  
 Rated power ----- 174KW  
 Rated speed ----- 2300rpm

### Lifting Specification

Max. rated lifting capacity ----- 100000Kg  
 Min rated working radius ----- 3m

Max. load moment  
 Base boom ----- 3450KN·m  
 Fully extended boom ----- 1670KN·m  
 Fully extended boom+jib ----- 1127KN·m

Outrigger span  
 Longitudinal ----- 7.56m  
 Lateral ----- 7.6m

Lifting height  
 Base boom ----- 12.8m  
 Fully extended boom ----- 48.0m  
 Fully extended boom+jib ----- 66.1m

### Mass Specification

Operating weight ----- 58000Kg  
 Axle1, Axle2 ----- 15000Kg  
 Axle3, Axle4 ----- 22500Kg  
 Axle5, Axle6 ----- 20500Kg

### Working Speed

Boom raising time ----- 75s  
 Boom full extension time ----- 160s  
 Max. slewing speed ----- 2.0rpm

Hoist speed  
 Main winch (full load) -----  $\geq 105$ m/min  
 Aux. winch (full load) -----  $\geq 104$ m/min

### Traveling Specification

Max. traveling speed ----- 75km/h  
 Min. turning diameter ----- 24m  
 Ground clearance ----- 310mm  
 Approach angle ----- 23°  
 Departure angle ----- 15°  
 Grade ability ----- 40%  
 Fuel consumption ----- 70L/100km

### Dimensions

Overall length ----- 15230mm  
 Overall width ----- 3000mm  
 Overall height ----- 3860mm  
 Wheel base  
 Axle1, Axle2 ----- 1420mm  
 Axle2, Axle3 ----- 2420mm  
 Axle3, Axle4 ----- 1700mm  
 Axle4, Axle5 ----- 1420mm  
 Axle5, Axle6 ----- 1505mm

### Rated Lifting Load For Boom

| Working radius(m) | Outrigger fully extend and boom over side or rear Lifting Load (ton) |      |      |      |      |      |      |      |      |     |
|-------------------|----------------------------------------------------------------------|------|------|------|------|------|------|------|------|-----|
|                   | Boom Length(m)                                                       |      |      |      |      |      |      |      |      |     |
|                   | 12.8                                                                 | 17.2 | 21.6 | 26   | 30.4 | 34.8 | 39.2 | 43.6 | 48   |     |
| 3                 | 100                                                                  | 80   |      |      |      |      |      |      |      |     |
| 4                 | 88                                                                   | 70   | 61   |      |      |      |      |      |      |     |
| 5                 | 70                                                                   | 61   | 54.3 | 42   | 40   |      |      |      |      |     |
| 6                 | 57                                                                   | 54   | 48.7 | 42   | 36.5 | 31.1 |      |      |      |     |
| 7                 | 47                                                                   | 47.5 | 44.1 | 38.6 | 33.5 | 29   | 24.5 |      |      |     |
| 8                 | 40.5                                                                 | 40   | 40.2 | 35.3 | 31.1 | 27.2 | 23.3 | 19.3 |      |     |
| 9                 | 34.5                                                                 | 35   | 35   | 32.3 | 28.7 | 25.4 | 21.8 | 18.4 | 14   |     |
| 10                | 30                                                                   | 30   | 30   | 29.9 | 26.6 | 23.6 | 20.6 | 17.5 | 13.4 |     |
| 12                |                                                                      | 23   | 22.8 | 24.1 | 23.3 | 20.9 | 18.5 | 15.7 | 11.6 |     |
| 14                |                                                                      | 16.6 | 16.4 | 17.7 | 18.6 | 18.5 | 16.4 | 14.2 | 11.3 |     |
| 16                |                                                                      |      | 12.2 | 13.4 | 14.2 | 14.9 | 14.9 | 13   | 10.1 |     |
| 18                |                                                                      |      | 9.2  | 10.4 | 11.2 | 11.8 | 12.3 | 11.6 | 9.2  |     |
| 20                |                                                                      |      |      | 8.1  | 8.9  | 9.5  | 10   | 10.2 | 8.3  |     |
| 22                |                                                                      |      |      | 6.3  | 7.1  | 7.7  | 8.2  | 8.4  | 7.7  |     |
| 24                |                                                                      |      |      |      | 5.7  | 6.2  | 6.8  | 7.0  | 7.1  |     |
| 26                |                                                                      |      |      |      | 4.5  | 5.1  | 5.7  | 5.8  | 6.1  |     |
| 28                |                                                                      |      |      |      |      | 4.6  | 4.7  | 4.8  | 5.1  |     |
| 30                |                                                                      |      |      |      |      |      | 3.3  | 3.9  | 4    | 4.2 |
| 32                |                                                                      |      |      |      |      |      |      | 3.2  | 3.3  | 3.5 |
| 34                |                                                                      |      |      |      |      |      |      |      | 2.5  | 2.9 |
| 36                |                                                                      |      |      |      |      |      |      |      |      | 2.1 |
| 38                |                                                                      |      |      |      |      |      |      |      |      | 1.6 |
| 40                |                                                                      |      |      |      |      |      |      |      |      | 1.5 |
| 42                |                                                                      |      |      |      |      |      |      |      |      | 1.1 |