

KEY FEATURES

- Excellent traveling capacity and high-performance chassis system
- Four - section boom with high strength steel structure
- Smooth braking operation
- Hydraulic system load feedback and constant power control
- Safe and reliable control system
- Fully digital network control technology

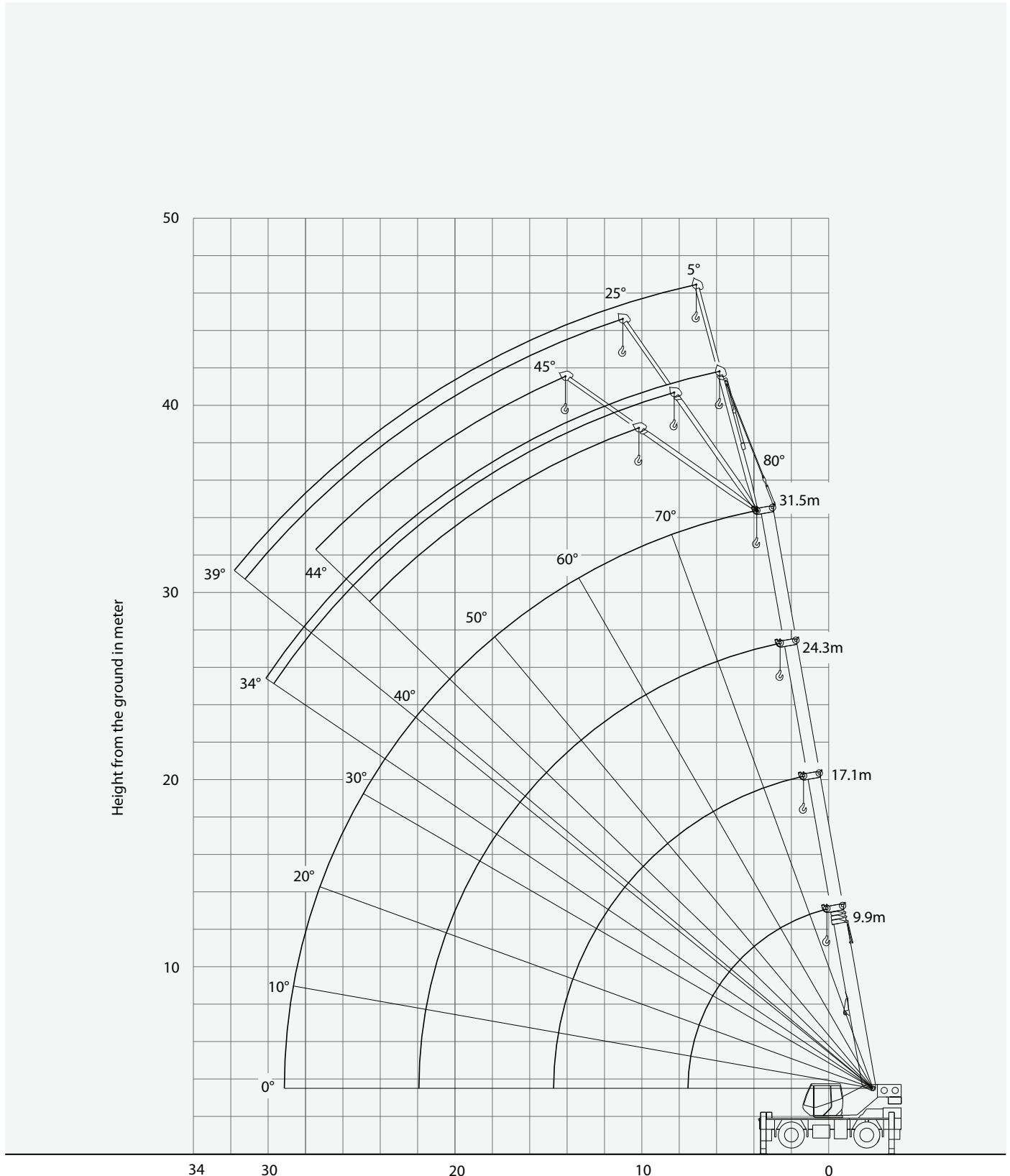
Boom Length: 31.5m

Engine Model
Cummins
ISDe210 30

Max. Rated Load: 25T

| Type | Item | Parameter | | |
|---|--|----------------------|-----------------|----------|
| Capacity | Max. lifting capacity | 25 t | | |
| Dimensions | Overall length | 12155 mm | | |
| | Overall width | 2620 mm | | |
| | Overall height | 3600 mm | | |
| | Axle distance | 4040 mm | | |
| Weight | Overall weight | 27945 kg | | |
| | Axle load | Front axle load | 14000 kg | |
| | | Rear axle load | 13945 kg | |
| Engine | Rated power | 154 kW/ 2200 rpm | | |
| | Rated torque | 800 N.m/ 1400 rpm | | |
| Traveling | Max.traveling speed | 40 km/h | | |
| | Turning radius | Min.turning radius | 8.5 /5.5 m | |
| | Wheel formula | | 4x4 | |
| | Min.ground clearance | | 350 mm | |
| | Approach angle | | 17 ° | |
| | Departure angle | | 16 ° | |
| | Max.gradeability | | 55% | |
| Main Performance Data | Temperature range | | - 20 ° ~ + 46 ° | |
| | Min.rated range | | 3 m | |
| | Tail slewing radius of swingtable | | 3.841 m | |
| | Boom section | | 4 | |
| | Boom shape | | U-shaped | |
| | Max.lifting moment | Base boom | | 968kN·m |
| | | Full-extend boom | | 605kN·m |
| | | Full-extend boom+jib | | 243 kN·m |
| | Boom length | Base boom | | 9.9 m |
| | | Full-extend boom | | 31.5 m |
| Full-extend boom+jib | | | 44 m | |
| Outrigger span (Longitudinal×Transversal) | | 6.7 × 6.5 m | | |
| Jib offset | | 5 °, 24 °, 45 ° | | |
| Working speed | Max.single rope lifting speed of main winch (no load) | | 125 m/min | |
| | Max.single rope lifting speed of auxiliary winch (no load) | | 125 m/min | |
| | Full extension/retraction time of boom | | 65 / 40 s | |
| | Full lifting/descending time of boom | | 45 / 50 s | |
| | Slewing speed | | 2.5 r/min | |
| Air condition | Superstructure | | Cooling | |

SRC250C Working Ranges



Prerequisites:

- ① Boom operating conditions:9.9m-31.5m
- ② The span of outriggers is 6.7m×6.5m
- ③ 360°rotation is applied
- ④ Counterweight is 1T

| Working range (m) | Main Boom(m) | | | | Working range (m) |
|-------------------|--------------|-------|-------|------|-------------------|
| | 9.9 | 17.1 | 24.3 | 31.5 | |
| 3 | 25.00 | | | | 3 |
| 3.5 | 25.00 | 19.00 | | | 3.5 |
| 4 | 23.00 | 19.00 | | | 4 |
| 4.5 | 21.20 | 18.00 | | | 4.5 |
| 5 | 19.40 | 16.70 | 12.50 | | 5 |
| 5.5 | 17.80 | 15.60 | 11.75 | | 5.5 |
| 6 | 16.30 | 14.60 | 11.10 | | 6 |
| 6.5 | 15.20 | 13.80 | 10.50 | 7.00 | 6.5 |
| 7 | 13.70 | 13.00 | 10.00 | 7.00 | 7 |
| 8 | | 11.00 | 9.00 | 7.00 | 8 |
| 9 | | 8.90 | 8.20 | 6.30 | 9 |
| 10 | | 7.40 | 7.60 | 5.80 | 10 |
| 11 | | 6.10 | 6.70 | 5.30 | 11 |
| 12 | | 5.20 | 5.70 | 5.15 | 12 |
| 13 | | 4.40 | 5.00 | 4.70 | 13 |
| 14 | | 3.70 | 4.30 | 4.30 | 14 |
| 15 | | | 3.70 | 4.00 | 15 |
| 16 | | | 3.30 | 3.60 | 16 |
| 17 | | | 2.90 | 3.20 | 17 |
| 18 | | | 2.50 | 2.80 | 18 |
| 19 | | | 2.20 | 2.50 | 19 |
| 20 | | | 2.00 | 2.30 | 20 |
| 21 | | | 1.80 | 2.00 | 21 |
| 22 | | | | 1.80 | 22 |
| 24 | | | | 1.45 | 24 |
| 26 | | | | 1.20 | 26 |
| 28 | | | | 1.00 | 28 |
| Min angle (°) | 0.00 | 0.00 | 0.00 | 0.00 | Min angle (°) |
| Parts of line | 8 | 6 | 4 | 3 | Parts of line |

Prerequisites:

- ① Boom operating conditions:9.9m-31.5m
- ② The span of outriggers is 6.7m×5m
- ③ 360°rotation is applied
- ④ Counterweight is 1T

| Working range (m) | Main Boom(m) | | | | Working range (m) |
|-------------------|--------------|-------|-------|-------|-------------------|
| | 9.9 | 17.1 | 24.3 | 31.5 | |
| 3 | 25.00 | | | | 3 |
| 3.5 | 25.00 | 19.00 | | | 3.5 |
| 4 | 23.00 | 19.00 | | | 4 |
| 4.5 | 21.20 | 18.00 | | | 4.5 |
| 5 | 18.60 | 16.70 | 12.50 | | 5 |
| 5.5 | 15.50 | 15.20 | 11.75 | | 5.5 |
| 6 | 12.90 | 12.70 | 11.10 | | 6 |
| 6.5 | 10.80 | 10.90 | 10.50 | 7.00 | 6.5 |
| 7 | 9.30 | 9.50 | 10.00 | 7.00 | 7 |
| 8 | | 7.40 | 8.20 | 7.00 | 8 |
| 9 | | 5.90 | 6.60 | 6.30 | 9 |
| 10 | | 4.80 | 5.50 | 5.60 | 10 |
| 11 | | 4.00 | 4.60 | 4.80 | 11 |
| 12 | | 3.30 | 3.90 | 4.10 | 12 |
| 13 | | 2.70 | 3.30 | 3.50 | 13 |
| 14 | | | 2.85 | 3.00 | 14 |
| 15 | | | 2.40 | 2.60 | 15 |
| 16 | | | 2.00 | 2.20 | 16 |
| 17 | | | 1.70 | 1.90 | 17 |
| 18 | | | 1.50 | 1.60 | 18 |
| 19 | | | 1.30 | 1.40 | 19 |
| 20 | | | | 1.20 | 20 |
| Min angle (°) | 0.00 | 0.00 | 25.00 | 43.00 | Min angle (°) |

Prerequisites:

- ① Boom operating conditions:9.9m-31.5m
- ② The span of outriggers is 6.7m×3.6m
- ③ 360°rotation is applied
- ④ Counterweight is 1T

| Working range (m) | Main Boom(m) | | | | Working range (m) |
|-------------------|--------------|-------|-------|------|-------------------|
| | 9.9 | 17.1 | 24.3 | 31.5 | |
| 3 | 25.00 | | | | 3 |
| 3.5 | 20.00 | 19.00 | | | 3.5 |
| 4 | 14.70 | 15.70 | | | 4 |
| 4.5 | 11.40 | 12.60 | | | 4.5 |
| 5 | 9.10 | 10.20 | 10.70 | | 5 |
| 5.5 | 7.50 | 8.50 | 8.90 | | 5.5 |
| 6 | 6.20 | 7.20 | 7.60 | | 6 |
| 6.5 | 5.20 | 6.20 | 6.50 | 6.70 | 6.5 |
| 7 | 4.40 | 5.30 | 5.70 | 5.80 | 7 |
| 8 | | 4.10 | 4.40 | 4.60 | 8 |
| 9 | | 3.20 | 3.50 | 3.60 | 9 |
| 10 | | 2.50 | 2.80 | 2.90 | 10 |
| 11 | | 1.90 | 2.20 | 2.40 | 11 |
| 12 | | 1.50 | 1.80 | 1.90 | 12 |
| 13 | | 1.10 | 1.40 | 1.50 | 13 |
| 14 | | | 1.10 | 1.20 | 14 |
| 15 | | | | 1.00 | 15 |
| Min angle (°) | 0 | 20 | 42 | 55 | Min angle (°) |

Prerequisites:

- ① Boom operating conditions(fully extended boom length+jib length), max.length is 31.5m+7.7/12.5m
- ② The span of outriggers is 6.7m×6.5m
- ③ 360°rotation is applied
- ④ Counterweight is 1T

| Working angle (°) | 7.7 | | | 12.5 | | | Working angle (°) |
|-------------------|-------|-------|-------|-------|-------|-------|-------------------|
| | 5 | 25 | 45 | 5 | 25 | 45 | |
| 80 | 3000 | 2100 | 1600 | 2000 | 1200 | 800 | 80 |
| 76 | 3000 | 2100 | 1600 | 2000 | 1200 | 800 | 76 |
| 72 | 3000 | 2100 | 1600 | 1750 | 1100 | 800 | 72 |
| 70 | 2800 | 2100 | 1600 | 1650 | 1050 | 800 | 70 |
| 65 | 2350 | 1800 | 1500 | 1400 | 950 | 780 | 65 |
| 60 | 2000 | 1550 | 1350 | 1200 | 900 | 750 | 60 |
| 55 | 1450 | 1350 | 1200 | 1050 | 850 | 740 | 55 |
| 50 | 1050 | 1000 | 950 | 850 | 750 | 700 | 50 |
| 45 | 750 | 700 | 650 | 600 | 550 | 500 | 45 |
| 40 | 550 | 500 | | 400 | 400 | | 40 |
| 35 | 350 | 320 | | | | | 35 |
| Min. angle(°) | 34.00 | 34.00 | 44.00 | 39.00 | 39.00 | 44.00 | Min. angle(°) |

Prerequisites:

- ① Boom operating conditions:9.9-24.3m
- ② With tyre static lifting load
- ③ Front and 360°rotation is applied
- ④ Counterweight is 1T

| Radius (m) | 9.9 | | 17.1 | | 24.3 | Radius (m) |
|------------|-------|------|-------|------|-------|------------|
| | FRONT | 360° | FRONT | 360° | FRONT | |
| 3.5 | 12.5 | 5.8 | | | | 3.5 |
| 4 | 11 | 4.3 | 7.5 | 5.2 | | 4 |
| 4.5 | 9.8 | 3.2 | 7.5 | 4.1 | 6 | 4.5 |
| 5 | 8.5 | 2.4 | 6.8 | 3.2 | 5.8 | 5 |
| 5.5 | 7 | 1.8 | 6 | 2.6 | 5.3 | 5.5 |
| 6 | 5.8 | 1.3 | 5.4 | 2.1 | 4.8 | 6 |
| 6.5 | 5 | | 4.8 | 1.6 | 4.4 | 6.5 |
| 7 | | | 4.2 | 1.3 | 4 | 7 |
| 8 | | | 3.3 | | 3.4 | 8 |
| 9 | | | 2.6 | | 2.9 | 9 |
| 10 | | | 2.1 | | 2.5 | 10 |
| 11 | | | 1.7 | | 2.1 | 11 |
| 12 | | | 1.4 | | 1.8 | 12 |
| 13 | | | | | 1.5 | 13 |
| 14 | | | | | 1.25 | 14 |

Prerequisites:

- ① Boom operating conditions:9.9-24.3m
- ② Creep (traveling with load),1.6km/h
- ③ Front side only
- ④ Counterweight is 1T

| Radius (m) | 9.9 | 17.1 | 24.3 | Radius (m) |
|------------|-------|-------|-------|------------|
| | FRONT | FRONT | FRONT | |
| 3.5 | 8 | | | 3.5 |
| 4 | 7.2 | 6 | | 4 |
| 4.5 | 6.6 | 6 | 4.4 | 4.5 |
| 5 | 6 | 5.6 | 4.4 | 5 |
| 5.5 | 5.4 | 4.9 | 4.1 | 5.5 |
| 6 | 4.6 | 4.4 | 3.8 | 6 |
| 6.5 | 4 | 3.9 | 3.5 | 6.5 |
| 7 | | 3.5 | 3.3 | 7 |
| 8 | | 2.7 | 2.8 | 8 |
| 9 | | 2.1 | 2.3 | 9 |
| 10 | | 1.7 | 1.9 | 10 |
| 11 | | 1.3 | 1.6 | 11 |
| 12 | | 1 | 1.3 | 12 |
| 13 | | | 1.1 | 13 |
| 14 | | | | 14 |
| 15 | | | | 15 |