# MAEDA Mini Crawler Crane MC-174C

## Specifications

| Model | | MC-174CRM |
|---|---|---|
| Crane capacity | | 1.72t × 1.0m |
| Max. working radius | | 5.17m × 0.22t |
| Max. lifting height (on the ground) | | 5.50m |
| Max. lifting height (underground) | | -7.0m (4 falls) |
| Winch system | Hook speed | 10.9m/min (3 layers, 4 falls) |
| | Hoist wire rope | IWRC 6 × Fi (29) 0/0, φ6 × 35.0m |
| Telescoping system | Type | Fully automatic 4-section pentagonal telescopic boom (3~4 stages: Simultaneous telescoping) |
| | Boom length | 1.83m~5.45m |
| | Boom telescoping stroke / time | 3.62m / 15.0sec |
| Boom hoist system | Hoist angle / time | 3~77deg / 12.0sec |
| Swing system | swing angle / time | 360 deg / 2.0rpm |
| Outrigger system | Type | 1st stage with flexible stay damper, 2nd stage manual pullout, hydraulic cylinder direct acting type |
| | Max.extended width | (Lateral) 3,335 × (Front) 3,060 × (Rear) 2,885mm |
| Travel system | Type | Hydraulic motor driven , 2 step speed changer |
| | Travel speed 1step/2step | 2.0 / 3.3km/h |
| | Gradability | 20.0deg |
| | Crawler ground lengt × width | 1,044 × 180mm |
| | Ground pressure | 33.7kpa [0.34kgf/cm²] |
| Engine | Model | MITSUBISHI GM401LE |
| | Displacement | 0.391L [391cc] |
| | Rated output | 6.6kw/1,800min⁻¹ [9.0ps/1,800rpm] |
| | Starting method | Electric starting |
| | Fuel / Fuel tank capacity | Gasoline/6.0L |
| Remote control system | Type | Cable remote controller |
| | Micro-speed mode | Available |
| | Outrigger operation | Available |
| Overall length × width × height | | 2,000 × 590 × 1,300mm |
| Machine weight | | 1,290kg |
| Safety device | | Overwind protection, Angle indicator, Hydraulic safety valve, Level, Wire rope latch, Warning buzzer, Machine body inclination alarm, EMO switch, Moment limiter, Working status lamp |
| Optional equipment | | White rubber track, Single fall hook, 2-fall hook |

## Total Rated Load Chart (4 falls)

**Outriggers at Maximum position**

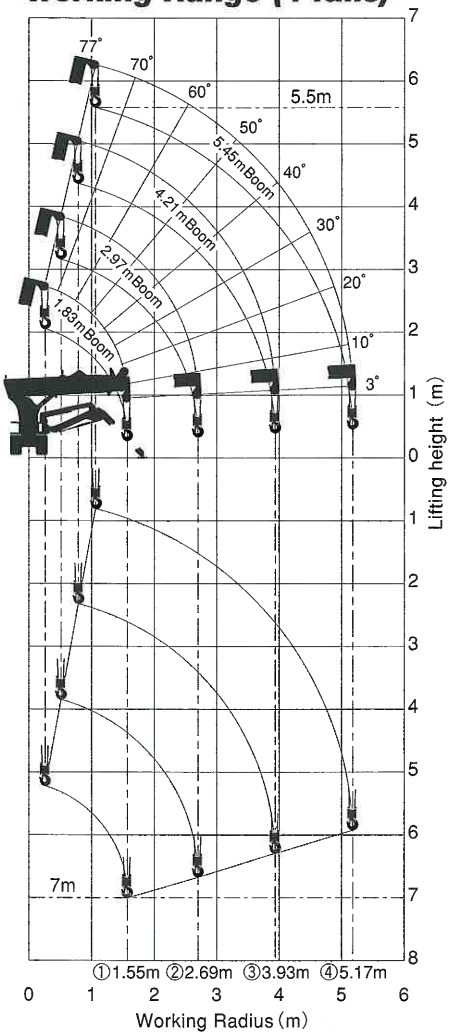
| 1.83m Boom | | 2.97m Boom | | 4.21m Boom | | 5.45m Boom | |
|---|---|---|---|---|---|---|---|
| Working radius (m) | Total rated load (kg) | Working radius (m) | Total rated load (kg) | Working radius (m) | Total rated load (kg) | Working radius (m) | Total rated load (kg) |
| 1.0 or less | 1720 | 1.0 or less | 1720 | 1.3 or less | 1320 | 1.7 or less | 770 |
| 1.30 | 1320 | 1.30 | 1320 | 1.50 | 1120 | 2.00 | 700 |
| 1.55 | 1090 | 1.50 | 1120 | 2.00 | 820 | 2.50 | 660 |
| | | 2.00 | 820 | 2.50 | 670 | 2.80 | 580 |
| | | 2.50 | 670 | 3.00 | 530 | 3.00 | 530 |
| | | 2.69 | 580 | 3.50 | 420 | 3.50 | 410 |
| | | | | 3.93 | 370 | 4.00 | 330 |
| | | | | | | 4.50 | 270 |
| | | | | | | 5.17 | 220 |

**Outriggers at other than maximum position**

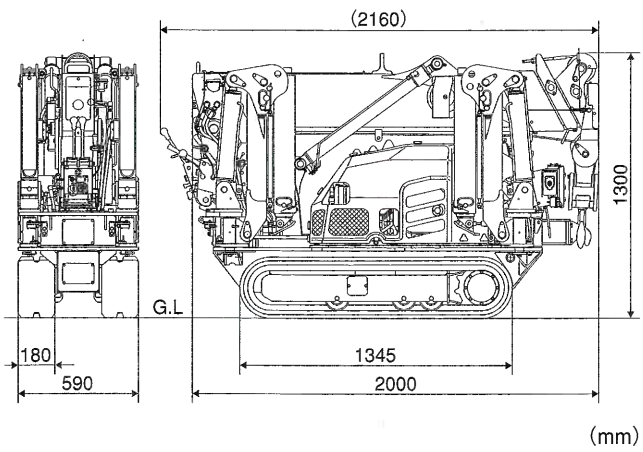
| 1.83m Boom | | 2.97m Boom | | 4.21m Boom | | 5.45m Boom | |
|---|---|---|---|---|---|---|---|
| Working radius (m) | Total rated load (kg) | Working radius (m) | Total rated load (kg) | Working radius (m) | Total rated load (kg) | Working radius (m) | Total rated load (kg) |
| 1.0 or less | 1220 | 1.0 or less | 1220 | 1.3 or less | 940 | 1.7 or less | 720 |
| 1.30 | 940 | 1.30 | 940 | 1.50 | 810 | 2.00 | 600 |
| 1.55 | 790 | 1.50 | 810 | 2.00 | 600 | 2.50 | 390 |
| | | 2.00 | 600 | 2.50 | 390 | 2.80 | 330 |
| | | 2.50 | 390 | 3.00 | 300 | 3.00 | 300 |
| | | 2.69 | 310 | 3.50 | 220 | 3.50 | 220 |
| | | | | 3.93 | 180 | 4.00 | 180 |
| | | | | | | 4.50 | 140 |
| | | | | | | 5.17 | 100 |

* The Total Rated Load Chart is based on actual working radius with the bending of boom attributable to load reflected and is shown with the mass of hook (20kg) included.

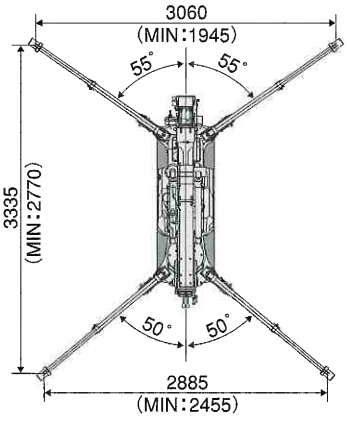
## Working Range (4 falls)




## Dimensions




(mm)




(mm)

Before use, please read the Operation Manual

Due to improvements, the specifications are subject to change without notice.


MAEDA

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