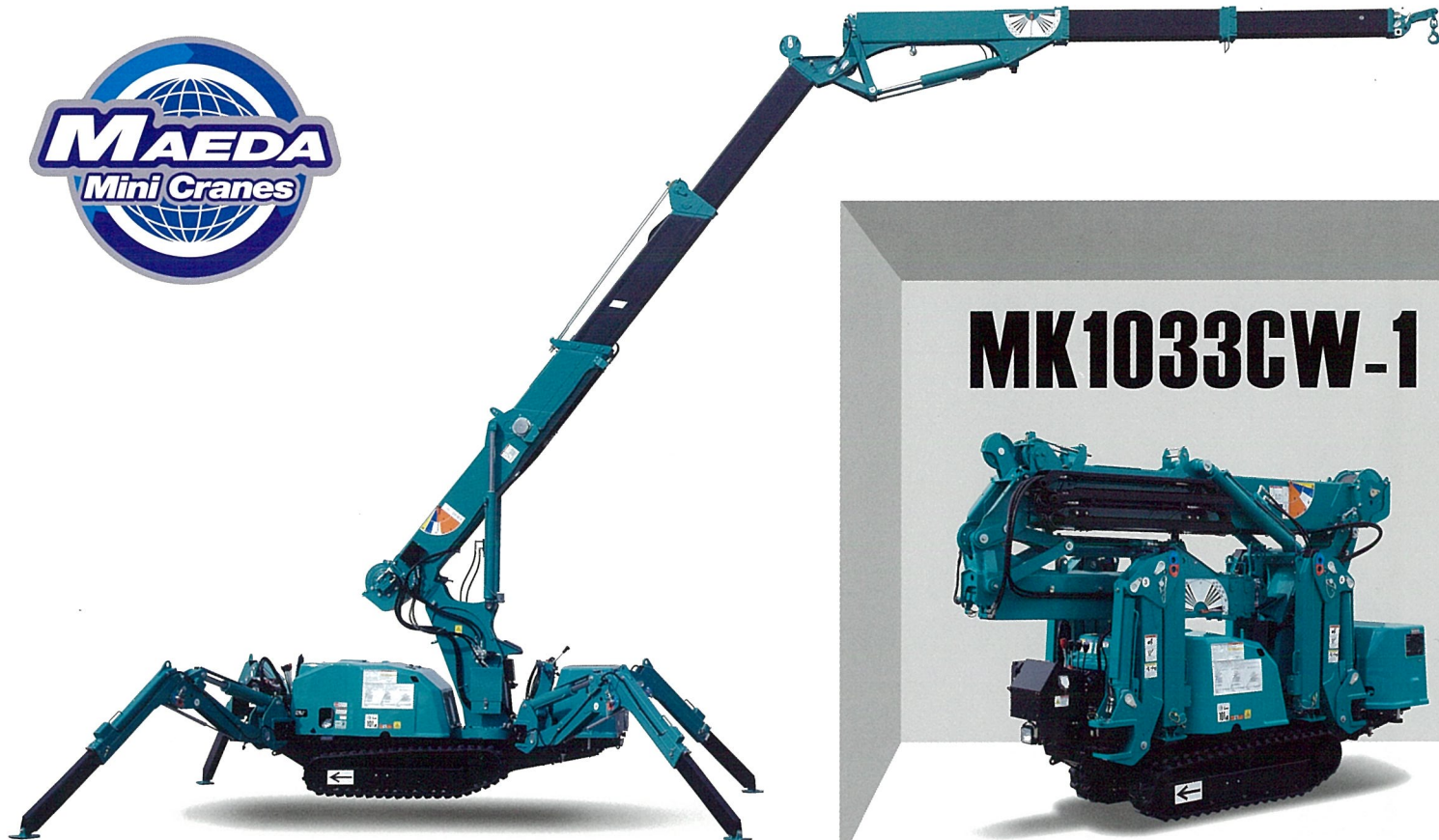




**MK1033CW-1**

# KNUCKLE BOOM



Lifting Capacity : **0.995t x 1.3m**  
**9.9m Maximum Working Radius**  
**Super Slim Body Width ( 750mm )**  
**Multi Outrigger Positions**  
**Moment Limiter**  
**Optional 820kg Winch**



OPTIONAL WINCH



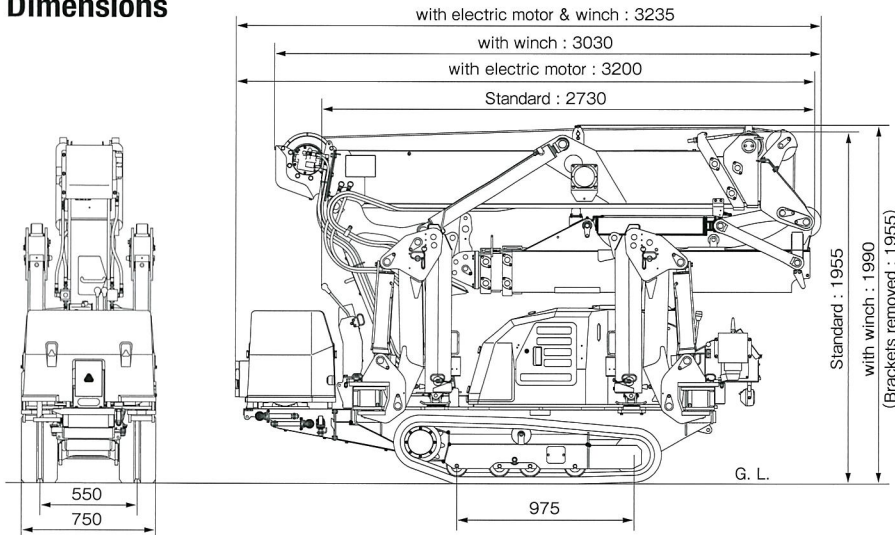


## Specifications

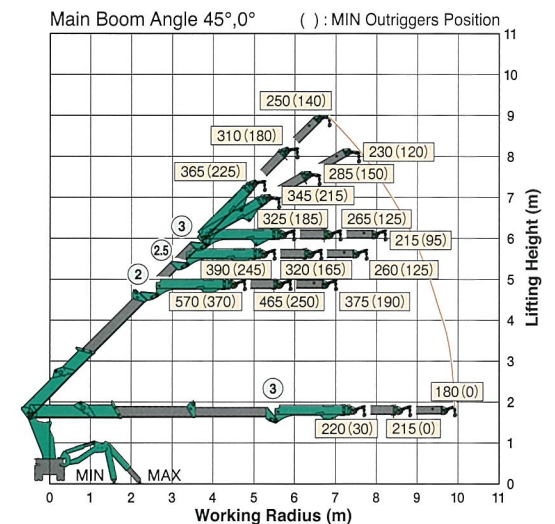
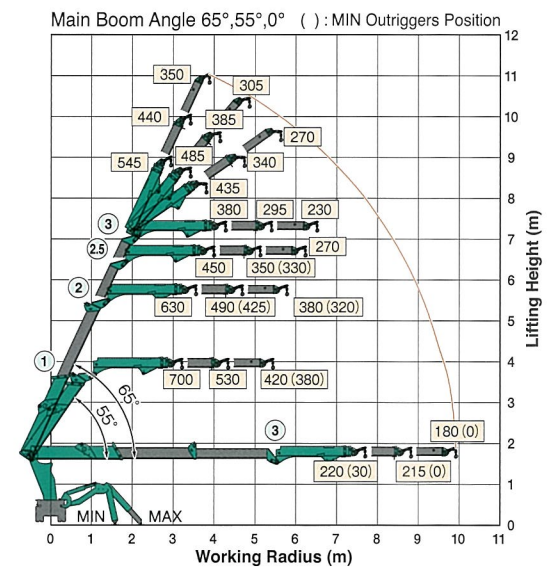
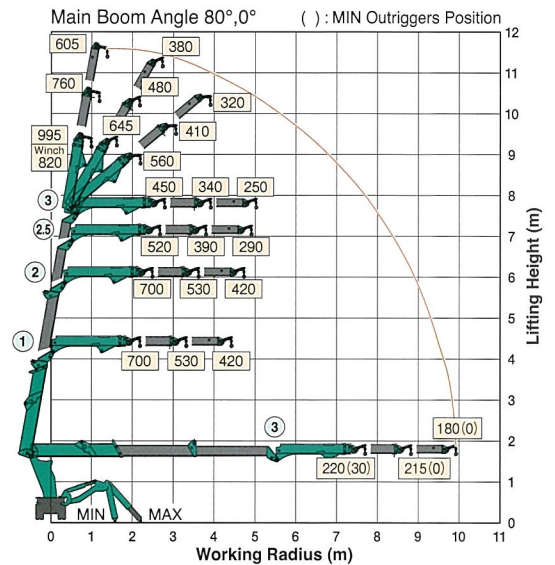
| Model                                                     |                   |                                | MK1033CW-1                                                                                                                                                                                                           |
|-----------------------------------------------------------|-------------------|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Crane capacity                                            |                   |                                | 0.995t × 1.3m                                                                                                                                                                                                        |
| Max. working radius                                       |                   |                                | 9.9m × 0.18t                                                                                                                                                                                                         |
| Max.lifting height (on the ground)                        |                   |                                | 11.3m                                                                                                                                                                                                                |
| Max. reach below ground level (optional winch)            |                   |                                | -66.5m (single fall)                                                                                                                                                                                                 |
| Main boom                                                 | Telescopic system | Type                           | Fully automatic 3-section pentagonal telescopic boom<br>(2 and 3 section : simultaneous telescoping)                                                                                                                 |
|                                                           |                   | Boom length                    | 2.590m - 6.030m                                                                                                                                                                                                      |
|                                                           |                   | Boom telescoping stroke / time | 3.44m/15.5sec [0.22m/sec]                                                                                                                                                                                            |
|                                                           | Boom hoist system | Hoist angle / time             | 0 to 80deg/42.2sec                                                                                                                                                                                                   |
| Jib                                                       | Telescopic system | Type                           | Fully automatic 3-section pentagonal telescopic jib                                                                                                                                                                  |
|                                                           |                   | Jib length                     | 1.876m - 4.111m                                                                                                                                                                                                      |
|                                                           |                   | Jib telescoping stroke / time  | 2.235m/19.1sec [0.12m/sec]                                                                                                                                                                                           |
|                                                           | Jib hoist system  | Hoist angle / time             | 0 to 180deg/29.2sec                                                                                                                                                                                                  |
| Slew system                                               |                   | Slew angle / time              | 360deg/0.56rpm                                                                                                                                                                                                       |
| Winch system (Optional)                                   |                   | Hook speed                     | 37.8m/min (5th layer, single fall)                                                                                                                                                                                   |
|                                                           |                   | Hoist wire rope                | IWRC 6 X WS (26) 0/0, φ8×73.0m                                                                                                                                                                                       |
| Outrigger system                                          |                   | Type                           | 1st stage with flexible stay damper, 2nd stage manual pullout<br>hydraulic cylinder direct acting type                                                                                                               |
|                                                           |                   | Max.extended width             | (Lateral) 4,580mm×(Front) 4,530mm×(Rear) 3,810mm                                                                                                                                                                     |
|                                                           |                   | Extended position              | Multi                                                                                                                                                                                                                |
| Travel system                                             |                   | Type                           | Hydraulic motor driven , stepless speed changer                                                                                                                                                                      |
|                                                           |                   | Travel speed                   | 0 - 2.0km/h                                                                                                                                                                                                          |
|                                                           |                   | Gradability                    | 15deg                                                                                                                                                                                                                |
|                                                           |                   | Crawler ground length × width  | 975mm × 200mm                                                                                                                                                                                                        |
|                                                           |                   | Ground pressure                | 52.6kpa[0.54kgf/cm <sup>2</sup> ] (MK1033CWEH-1: 59.5kpa[0.61kgf/cm <sup>2</sup> ])                                                                                                                                  |
| Engine                                                    |                   | Model                          | YANMAR 2TNV70-NMBA                                                                                                                                                                                                   |
|                                                           |                   | Displacement                   | 0.569L [569cc]                                                                                                                                                                                                       |
|                                                           |                   | Rated output                   | 7.4kw/2,500min <sup>-1</sup> [10.1ps/2,500rpm]                                                                                                                                                                       |
|                                                           |                   | Starting method                | Electric starting                                                                                                                                                                                                    |
|                                                           |                   | Fuel / Fuel tank capacity      | Diesel/12.0L                                                                                                                                                                                                         |
| Electric Motor (MK1033CWE-1)                              |                   | Type                           | Self detachable                                                                                                                                                                                                      |
|                                                           |                   | Motor type                     | Totally enclosed fan-cooled motor 5.5kw, 4P 380V                                                                                                                                                                     |
| Remote control system                                     |                   | Starting system                | Inverter system (30Hz-60Hz)                                                                                                                                                                                          |
|                                                           |                   | Type                           | Radio & Proportional control                                                                                                                                                                                         |
|                                                           |                   | Micro speed mode               | Available                                                                                                                                                                                                            |
|                                                           |                   | Outrigger operation            | Available                                                                                                                                                                                                            |
| Overall length × width ×height (MK1033CW-1)               |                   |                                | 2,730mm × 750mm × 1,955mm                                                                                                                                                                                            |
| Overall length × width ×height (MK1033CWH-1)              |                   |                                | 3,030mm × 750mm × 1,990(1,955)mm *                                                                                                                                                                                   |
| Overall length × width ×height (MK1033CWE-1)              |                   |                                | 3,200mm × 750mm × 1,955mm                                                                                                                                                                                            |
| Overall length × width ×height (MK1033CWEH-1)             |                   |                                | 3,235mm × 750mm × 1,990(1,955)mm *                                                                                                                                                                                   |
| Machine weight (MK1033CW-1)                               |                   |                                | 2,090kg (2,000kg) *                                                                                                                                                                                                  |
| Machine weight with winch (MK1033CWH-1)                   |                   |                                | 2,190kg                                                                                                                                                                                                              |
| Machine weight with electric motor (MK1033CWE-1)          |                   |                                | 2,270kg                                                                                                                                                                                                              |
| Machine weight with winch & electric motor (MK1033CWEH-1) |                   |                                | 2,370kg                                                                                                                                                                                                              |
| Safety device                                             |                   |                                | Level, Machine body inclination alarm,<br>EMO switch, Hydraulic safety valves,<br>Overwind protection, Wire rope latch,<br>Crane/Outrigger interlock device,<br>Moment limiter, Data logger, Slew restriction device |
| Optional equipment                                        |                   |                                | 820kg Winch (single fall), White rubber tracks                                                                                                                                                                       |

\*Some components need to be removed.

## Dimensions



## Working Range Charts



The values in    are rated total load (kg), they are based on the actual working radius including boom & jib deflection.

**Before use, please read the Operation Manual** Due to improvements, the specifications are subject to change without notice.



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