

## Specifications

Model		MC815C
Crane capacity		8,09t x 2.4m
Crane capacity	Max. working radius	18.8m x 0.34t (0.44t at P-Mode)
	Max. lifting height (on the ground)	19.6m x 2.39t (25.5m x 1.5t with fly jib)
	Max. reach below ground level	-21.0m (6 falls)/-31.5m (4 falls)-63.0m (2 falls)-126.0m (single fall)
Pick & Carry capacity		1.0t
Weight & Dimension	Overall length x width x height	5,900mm x 1,670mm x 2,490mm
	Overall length x width x height (with fly jib)	5,900mm x 1,740mm x 2,490mm
	Machine weight	9,460kg (9,700kg with electric motor)
	Crawler ground length x width	2,245mm x 400mm
Winch system	Hoist wire rope	IWRC 6 x Fi(29) φ10 x 150m
	Hook speed	20.6 m/min (4 layers, 6 falls)
Telescoping system	Type	Fully automatic 5-section pentagonal telescopic boom
	Boom length / time	5.52~19.40m / 52.0sec
	Hoist angle / time	0~80deg / 22.9sec
Swing system	Swing angle / time	360deg / 2.0rpm
	Type	Extended Hydraulic cylinder direct acting Setting up Hydraulic cylinder direct acting
Outrigger system	Max. extended width	(Lateral) 6,770 x (Front) 6,300 x (Rear) 6,620mm
	Type	Hydraulic motor driven, stepless speed changer
Travel system	Travel speed	Forward & backward 0~3.2km/h
	Gradability	23 deg
	Ground pressure	52.0kPa (0.53kgf/cm <sup>2</sup> ) (53.0kPa (0.54kgf/cm <sup>2</sup> ) with electric motor)
	Engine	Model: YANMAR 4TNV88C-NMB Displacement: 2.189L (2.189cc) Rated output: 30.5kw/2,500min <sup>-1</sup> (41.5PS/2,500rpm) Starting method: Electric starting Fuel / Fuel tank capacity: Diesel / 70.0L
E-Motor	Motor type	Totally enclosed fan-cooled motor 15kw, 4P 380V
	Starting system	Inverter system (30Hz - 60Hz)
Remote control system	Type	Radio & Proportional joystick control
	Micro/High speed mode	Available
	Load display for transmitter	Available
	Outrigger operation	Available
Safety device	Travelling operation	Available
	Overwind protection, Load indicator, Hydraulic safety valve, Wire rope latch, Level, Machine body inclination alarm, EMO switch, Crane/Outrigger interlock device, Safety lock lever, Moment limiter, Rotary lamp, Anti-slack device, Slew restriction system, Anti-interference device	
	Optional items	Rubber pads (Black & White), Single fall hook, Searcher hook (1.0t), Hydraulic type Fly jib (1.5t)

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

## Rated Total Load Chart (6 falls)

\*The rated total load chart is based on the actual working radius including boom deflection.  
\*The weight of hook block (6.4/2.1kg/250kg) must be included as part of the load shown in the rated total load chart.  
\*N mode applies to 360 deg slew range, P mode is available only for certain slew area.

### 1. Outriggers Max Extended unit:kg

Working radius (m)	Boom ①		①+②		①+②+③		①+②+③+④		①+②+③+④+⑤	
	N mode	P mode	N mode	P mode	N mode	P mode	N mode	P mode	N mode	P mode
2.4	8090	8090	6390	6390	4690	4690				
2.5	7690	7690	6390	6390	4690	4690	3390	3390		
3.0	6390	6390	6390	6390	4690	4690	3390	3390		
3.5	5490	5490	5490	5490	4690	4690	3390	3390	2390	2390
4.0	4790	4790	4790	4790	4690	4690	3390	3390	2390	2390
4.5	4190	4190	4190	4190	4090	4090	3390	3390	2390	2390
4.92	3790	3790	3790	3790	3690	3690	3390	3390	2390	2390
5.0					3690	3690	3390	3390	2390	2390
6.0			3190	3190	3090	3090	2790	2790	2390	2390
7.0			2690	2690	2590	2590	2390	2390	1990	1990
8.0			2290	2290	2090	2190	2090	2090	1690	1690
8.39			2090	2090	1890	1990	1890	1990	1590	1590
9.0					1690	1890	1690	1890	1490	1490
10.0					1290	1490	1290	1490	1290	1390
11.0					1040	1190	1040	1190	1040	1190
11.86					890	1040	890	1040	890	1040
12.0						890	1040	890	1040	
13.0						840	990	840	990	
14.0						740	840	740	840	
15.0						640	740	640	740	
15.33						590	690	590	690	
16.0								590	690	
17.0								490	590	
18.0								440	540	
18.8								340	440	

①: 5.52m boom ②: 8.99m boom ③+②+③: 12.66m boom ④+②+③+④: 15.93m boom ⑤+②+③+④+⑤: 19.40m boom

### 2. Outriggers Mid Extended unit:kg

Working radius (m)	Boom ①		①+②		①+②+③		①+②+③+④		①+②+③+④+⑤	
	N mode	P mode	N mode	P mode	N mode	P mode	N mode	P mode	N mode	P mode
2.4	6290	6290	6290	6290	4590	4590				
2.5	6290	6290	6290	6290	4590	4590	3290	3290		
3.0	6290	6290	6290	6290	4590	4590	3290	3290		
3.5	5290	5290	5290	5290	4590	4590	3290	3290	2290	2290
4.0	4590	4590	4590	4590	4590	4590	3290	3290	2290	2290
4.5	3990	3990	3990	3990	3990	3990	3290	3290	2290	2290
4.92	3690	3690			3690	3690	3290	3290	2290	2290
5.0			3590	3590	3590	3590	3290	3290	2290	2290
6.0			2990	2990	2990	2990	2690	2690	2290	2290
7.0			2090	2190	2090	2090	2090	2090	1990	1990
8.0			1690	1790	1690	1790	1690	1690	1690	1690
8.39					1490	1590	1490	1490	1490	1490
9.0					1390	1490	1390	1490	1390	1390
10.0					990	1090	990	1090	990	1090
11.0					790	890	790	890	790	890
11.86					590	690	590	690	590	690
12.0							590	690	590	690
13.0							490	590	540	640
14.0							440	540	490	590
15.0							390	490	440	540
15.33							340	440	390	490
16.0									390	490
17.0									340	390
18.0									290	340
18.8									240	290

### 3. Outriggers Min Extended unit:kg

Working radius (m)	Boom ①		①+②		①+②+③		①+②+③+④		①+②+③+④+⑤	
	N mode	P mode	N mode	P mode	N mode	P mode	N mode	P mode	N mode	P mode
2.4	6190	6190	6190	6190	4590	4590				
2.5	6190	6190	6190	6190	4590	4590	3090	3090		
3.0	6190	6190	6190	6190	4590	4590	3090	3090		
3.5	5290	5290	5290	5290	4590	4590	3090	3090	2190	2190
4.0	4590	4590	4590	4590	4590	4590	3090	3090	2190	2190
4.5	3990	3990	3990	3990	3990	3990	3090	3090	2190	2190
4.92	3090	3090			3090	3090	3090	3090	2190	2190
5.0			3090	3090	3090	3090	3090	3090	2190	2190
6.0			2190	2290	2190	2190	2190	2190	2190	2190
7.0			1490	1590	1490	1590	1490	1490	1490	1490
8.0			1190	1290	1190	1290	1190	1290	1190	1190
8.39			1090	1190	1090	1190	1090	1190	1090	1090
9.0					990	1090	990	1090	990	1090
10.0					690	790	690	790	690	790
11.0					490	590	490	590	540	640
11.86					390	490	390	490	490	590
12.0							390	490	490	590
13.0							340	440	440	540
14.0							290	390	390	490
15.0							240	340	340	440
15.33							240	290	290	390
16.0									290	390
17.0									240	290
18.0									190	240
18.8									140	190

## Fly jib Rated Total Load Chart

With outrigger extended to maximum

Main boom Angle	1st Stage Jib				2nd Stage Jib			
	0 degree	20 degrees	40 degrees	60 degrees	0 degree	20 degrees	40 degrees	60 degrees
80 degrees	1520	820	720	620	1020	620	420	320
70 degrees	1020	620	520	420	820	420	320	220
60 degrees	420	420	320		320	220	120	
50 degrees	170	120			120			

## Searcher Hook Rated Total Load Chart

With outrigger extended to maximum

Working Radius (m)	Main boom														
	7.22	9.0	10.0	10.69	11.0	12.0	13.0	14.0	14.16	15.0	16.0	17.0	17.63	18.0	19.0
①	1060														
①+②		1060	960	710											
①+②+③			1060	960	710	610	560	460	410						
①+②+③+④				1060	960	710	610	560	460	410	360	260	210		
①+②+③+④+⑤					1060	960	710	610	560	460	410	360	260	210	160

Before use, please read the Operation Manual



# SPIDER CRANE MC815C

TECHNOLOGY IN MOTION



# TECHNOLOGY IN MOTION

## SPIDER CRANE MC815C

- Crane Capacity  
**8.09t × 2.4m**
- Max. working radius  
**18.8m × 0.34t**
- Max. lifting height  
**19.6m / 25.5m with fly jib**
- Max. reach below ground  
**-21.0m (6 falls)**
- Pick & Carry capacity  
**1,000kg**



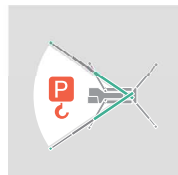
### STANDARD EQUIPMENT



Programmable Moment Limiter (Touchscreen)



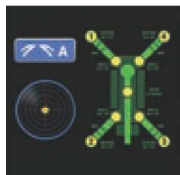
Joystick Radio Remote Control



Power Lifting Mode



Multi Outrigger Lifting Mode



Auto Levelling Function



Auto-Crane Stow Function

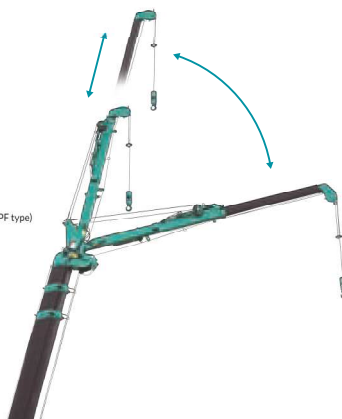


Slew Angle Limit Setting

- EU Stage III B Compliant Engine (DPF type)
- 6 fall/4 fall/2 fall Hook Block
- Working Status Lamp
- Front & Side View Camera
- Crane/OR Interlock
- Tilt Alarm
- Diagnostic Display Panel
- Data Logger
- Anti Slack Device
- 2 Speed Functions
- Crane speed accelerator

### OPTIONS

Hydraulic Fly Jib



Searcher Hook

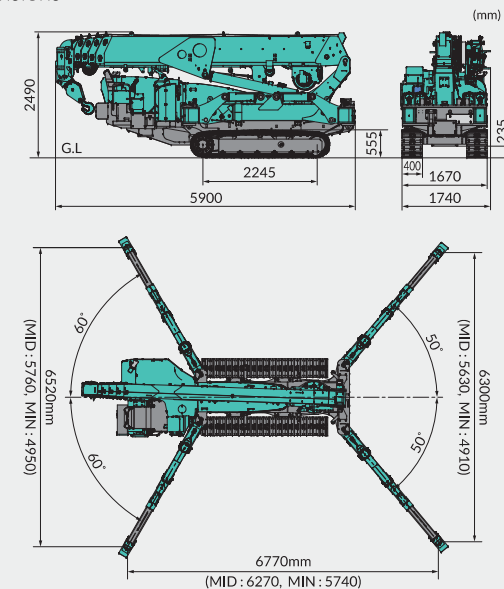


Electric Motor Power (Inverter System)

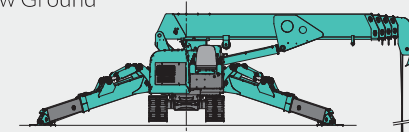


- Single Fall Hook
- Rubber Pads (Black, White)
- Custom Paint Colours

### Dimensions



### Max. Reach Below Ground



### Working Range Chart

