



Fully Electric Powered Mini Crane **MC305CB-3**

Fully Electric Powered Mini Crane



Light Weight & Low Noise

4 Fall / 2 Fall Hook Block

New LCD Monitor

Lithium-ion Battery

High Capacity Battery With Long Life

Minimal Charging Time

Continuous Operation While Charging



Eco modes

Debut

Zero Emissions

Crane Capacity Max. Working Radius Max. Lifting Height
2.98t × 2.5m 12.16m × 0.26t 12.52m



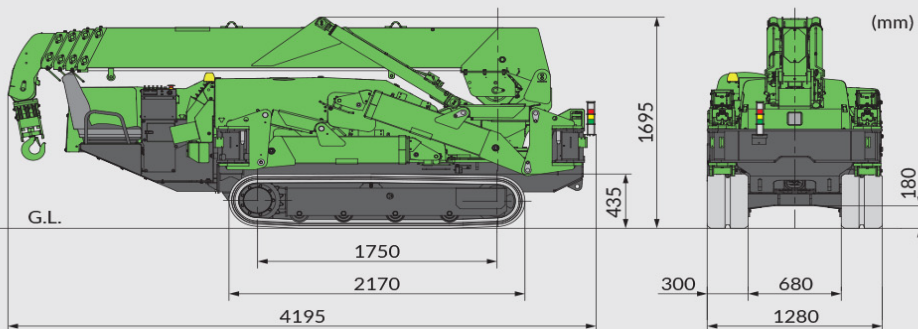
Optional Searcher Hooks (850kg / 1,500kg)



Specifications

Model		MC305CRMB-3
Crane capacity		2.98t x 2.5m
Max. working radius		12.16m x 0.26t
Max. lifting height (on the ground)		12.52m
Max. lifting height (underground)		-16.09m (4 falls)
Winch system	Hook speed	9.2m/min (4 layers, 4 falls)
	Hoist wire rope	IWRC 6 x WS(26) ϕ 8 x 73m
Telescoping system	Type	Fully automatic 5-section pentagonal telescopic boom
	Boom length	3.695 ~ 12.485m
	Boom telescoping stroke / time	8.79m / 39.6sec
Boom hoist system	Hoist angle / time	0~80deg / 19.9sec
Slewing system	swing angle / time	360deg / 1.6rpm
Outrigger system	Type	Extended Hydraulic cylinder direct acting Setting up Hydraulic cylinder direct acting
	Max. extended width (outer dims)	(Lateral) 5,170mm x (Front) 4,808mm x (Rear) 4,704mm
Travel system	Type	Hydraulic motor driven , stepless speed changer
	Travel speed	0 ~ 1.4km/h
	Gradability	23deg
	Crawler ground length x width	1,750mm x 300mm
	Ground pressure	36.5kpa [0.37kgf/cm ²]
Battery system	Type	Lithium Titanate Battery
	5-hour rate capacity	DC55V - 180Ah , 10.0kWh
	Input Voltage / current	Single phase AC200V / 16A, AC100V/15A
	Charging time	with AC - 200V 80% : 3h00min / 100% : 4h30min
		with AC - 100V 80% : 8h15min / 100% : 10h30min
	Operating time	Travelling (Hi speed) Up to 2h 50min
		Crane Up to a full working day if charged during operation
	Charging during operation	Available
Remote control system	Rated Output	Variable 7.5kW AC30V at 2500min ⁻¹
	Type	Cable remote controller
	Micro/High speed mode	Available
	Load display for transmitter	Available
	Outrigger operation	Available
Options	Voice Available	
	Overall length x width x height 4,195mm x 1,280mm x 1,695mm	
Machine weight		3,925kg
Safety device		Overwind protection, Load indicator, Hydraulic safety valve, Level, Machine body inclination alarm, EMO switch, Travel lock lever, Outrigger interlock device, Moment limiter, Rotary lamp
Options		Black rubber track, Single fall hook, Protection roll bar, Searcher hooks

Dimensions



Before use, please read the Operation Manual

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

Fully Electric Powered Mini Crane MC305CB-3

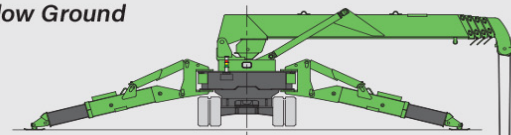


Rated Total Load Chart (4falls)

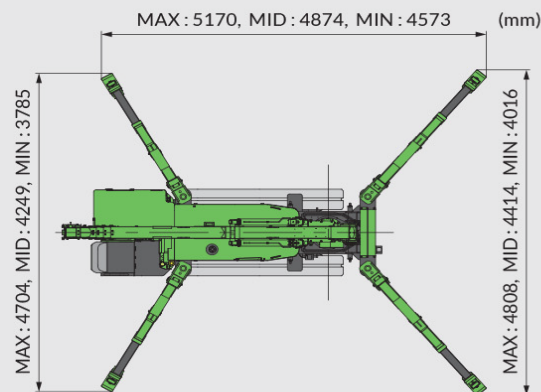
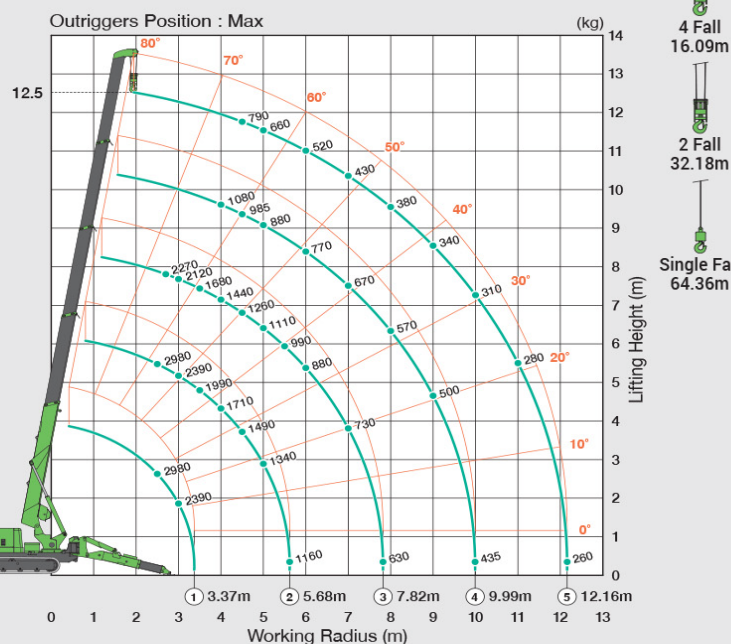
Outrigger extended to maximum							
3.695m / 5.945m Boom		8.145m Boom		10.315m Boom		12.485m Boom	
Working radius(m)	Rated total load(kg)	Working radius(m)	Rated total load(kg)	Working radius(m)	Rated total load(kg)	Working radius(m)	Rated total load(kg)
2.5 or less	2980	2.7	2270	4.0	1080	4.5 or less	790
3.0	2390	3.0	2120	4.5	985	5.0	660
3.5	1990	3.5	1680	5.0	880	6.0	520
4.0	1710	4.0	1440	6.0	770	7.0	430
4.5	1490	4.5	1260	7.0	670	8.0	380
5.0	1340	5.0	1110	8.0	570	9.0	340
5.62	1160	5.5	990	9.0	500	10.0	310
		6.0	880	9.99	435	11.0	280
		7.0	730			12.16	260
		7.82	630				

* The Rated Total 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 (30kg) included.

MAX. Reach Below Ground



Working Range Chart (4falls)



mfg
GRUES - CRANES

STE-JULIE
2250 Rue Bombardier
Ste-Julie, Québec, Canada
J3E 2J9
Tel : (514) 875-0670

MONTRÉAL • RIVE-NORD / RIVE-SUD
OTTAWA
info@mfgcranes.com
gruesmfg.com