

Specifications

Model		MK3053C	
Crane capacity Main boom / Jib		2.98t x 1.8m / 1.0t x 5.2m	
Max. working radius Main boom / Jib		9.4m / 14.3m	
Max.lifting height (on the ground) Main boom / Jib		12.0m / 16.95m	
Boom	Telescopic system	Type	Fully automatic 5-section pentagonal telescopic boom
		Boom length	3.1m - 10.3m
		Boom telescoping stroke / time	7.2m / 45.4sec for Diesel, 42.3sec for Battery
	Boom hoist system	Hoist angle / time	0 to 85deg / 26sec
Jib	Telescopic system	Type	Fully automatic 3-section pentagonal telescopic jib
		Jib length	2.3m - 4.8m
		Jib telescoping stroke / time	2.5m / 18.6sec
	Jib hoist system	Hoist angle / time	195deg / 17.5sec
Slew system		Slew angle / time	360deg / 1.3rpm for Diesel, 1.4rpm for Battery
Winch system		Hook speed	40.4m/min for Diesel, 39.8m/min for Battery (4 layers, single fall)
Outrigger system	Type	Hydraulic cylinder direct acting type	
	Max.extended width (outer dims)	(Lateral) 4,665× (Front) 4,740× (Rear) 4,800mm	
	Extended postion	Multi (stepless)	
Travel system	Type	Hydraulic motor driven , stepless speed changer	
	Travel speed	0 - 2.4km/h	
	Gradability NARROW / WIDE (STD)	17.5deg / 24.7deg	
	Crawler ground length x width	950mm x 180mm	
	Gauge width	780mm - 1,050mm	
	Ground pressure	83.4kpa [0.85kgf/cm ²]	
Engine (Diesel / Diesel + Electric)	Model	KUBOTA Z482-E4B	
	Displacement	0.479L [479cc]	
	Rated output	7.2kw/2,600min ⁻¹ [9.8ps/2,600rpm]	
	Fuel	Diesel	
Electric Motor (Diesel + Electric)		Motor type	Totally enclosed fan-cooled motor 4.0kw, 4P 380V(200-415V)
Battery system (Battery spec)	Type	Lithium Titanate Battery	
	5-hour rate capacity	DC55V-135Ah, 7.4kWh	
	Input Voltage / current		Single phase AC200V/16A, AC100V/14A
	Charging time	with AC-200V	80%:2h20min / 100%:3h30min
		with AC-100V	80%:5h20min / 100%:7h00min
	Operating time	Up to a full working day if charged during operation	
Charging during operation		Available	
Remote control system		Type	Paddle type radio & Proportional control
Overall length × width × height		3,195mm x 780mm x 1,945mm	
Machine weight (Diesel + Electric / Diesel, Battery)		2,900kg / 2,875kg	
Optional equipment		EBU075 (extra battery unit), Black or White rubber tracks (depends on spec)	

Rated Total Load Chart for 4 Falls with Main Boom

unit:kg

[illegible]

*The weight of hook block (30kg) must be included as part of the load shown in the RTL chart.



Before use, please read the Operation Manual

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


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MK3053C

Rated Total Load Chart for Fixed Hook

unit: kg

Boom	Boom Angle (°)	Jib Angle (°)	2.27m Jib			3.54m Jib			4.81m Jib		
			OR Extended Position			OR Extended Position			OR Extended Position		
			Max.	Mid.	Min.	Max.	Mid.	Min.	Max.	Mid.	Min.
3.05m Boom	85	90	950	950	950	950	950	950	950	950	950
		85	950	950	950	950	950	950	610	610	610
		55	950	950	950	710	710	710	610	610	610
		0	950	950	950	605	605	605	445	445	445
	45	90	950	950	950	950	950	950	950	950	950
		85	950	950	950	950	950	950	610	610	610
		55	950	950	950	710	710	710	610	610	610
		0	950	950	950	605	605	605	445	445	445
	0	0	950	950	780	605	605	525	445	445	390
		90	950	950	950	950	950	950	950	950	950
		85	950	950	950	950	950	950	610	610	610
		55	950	950	950	710	710	710	610	610	610
4.86m Boom	85	0	950	950	950	605	605	605	445	445	445
		90	950	950	950	950	950	950	950	950	950
		85	950	950	950	950	950	950	610	610	610
		55	950	950	950	605	605	605	445	445	445
	67	90	950	950	950	950	950	950	950	950	950
		85	950	950	950	950	950	950	610	610	610
		55	950	950	950	710	710	710	610	610	610
		0	950	950	950	605	605	605	445	445	445
	45	90	950	950	950	950	950	950	950	950	950
		85	950	950	950	950	950	950	610	610	610
		55	950	950	730	710	710	625	610	610	470
		0	950	800	510	605	560	390	445	425	300
6.67m Boom	85	0	725	540	300	540	410	230	425	325	185
		90	950	950	950	950	950	950	950	950	950
		85	950	950	950	950	950	950	610	610	610
		55	950	950	950	710	710	710	610	610	610
	67	0	950	950	950	605	605	605	445	445	445
		90	950	950	950	950	950	950	950	950	950
		85	950	950	950	950	950	950	610	610	610
		55	950	950	950	710	710	710	610	610	610
	50	0	950	950	700	605	605	480	445	445	370
		90	950	950	740	950	950	740	950	950	740
		85	950	950 ^{*2}	680	950	935	655	610	610	610
		55	950 ^{*1}	670	480	710	550	395	610	460	330
35	0	800	555	375	590	410	280	445	320	205	
	90	900	595	320	900	595	320	900	595	320	
	85	850	560	310	820	540	320	610	525	320	
	55	630	420	245	530	355	210	455	305	175	
8.48m Boom	85	0	510	355	185	400	275	140	325	220	115
		0	380	260	105	300	210	80	250	170	55
		85	950	950	950	950	950	950	950	950	950
		55	950	950	950	710	710	710	610	610	610
	67	90	950	950	950	950	950	950	950	950	950
		85	950	950	950	950	950	950	610	610	610
		55	950	950	750	710	710	595	610	610	490
		0	950	825	570	605	580	380	445	445	300
	55	90	950	810	535	950	810	535	950	810	535
		85	950	720	495	950	690	480	610	610	465
		55	770	520	355	640	435	290	545	375	240
		0	630	435	260	480	335	205	385	265	160
40	90	570	365	205	570	365	205	570	365	205	
	85	540	350	185	530	340	180	520	330	180	
	55	415	270	130	360	235	115	320	205	90	
	0	335	230	90	270	180	70	225	150		
10.29m Boom	85	0	0	195	100		160	90		130	70
		90	950	950	950	950	950	950	950	950	950
		85	950	950	950	680	680	680	610	610	610
		55	950	950	950	680	680	680	610	610	610
	67	0	950	950	950	605	605	605	445	445	445
		90	950	950	845	950	950	845	950	950	845
		85	950	950	775	680	680	680	610	610	610
		55	950	745	535	680	605	435	610	505	365
	55	0	850	610	350	590	450	290	445	350	225
		90	660	470	300	660	470	300	660	470	300
		85	630	445	290	610	430	280	590	420	270
		55	515	340	205	445	295	180	390	255	145
40	0	440	290	135	335	230	80	285	185		
	90	300	190		300	190		300	190		
	85	285	180		280	175		275	165		
	55	230	140		205	120		180	105		
0	0	220	120		155	95		150	75		
0	0	75			60			45			

Maximum rated total load of single-fall hook is **1,000kg** except *1 and *2
Rated total load of single-fall hook at *1 and *2 is 980kg and 975kg respectively



KNUCKLE BOOM

MK3053C

Crane Capacity	Max. Working Radius	Max. Lifting Height
2.98t x 1.8m (1.0t x 5.2m with Jib)	14.3m	16.95m

NEW



TECHNOLOGY IN MOTION

