

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/cm²]
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

Working Radius (m)	2.95m Boom			4.76m Boom			6.57m Boom			8.38m Boom			10.19m Boom		
	OR Extended Position			OR Extended Position			OR Extended Position			OR Extended Position			OR Extended Position		
	Max.	Mid.	Min.	Max.	Mid.	Min.	Max.	Mid.	Min.	Max.	Mid.	Min.	Max.	Mid.	Min.
1	2980	2980	2980	2570	2570	2570	2380	2380	2380	2000	2000	2000	1450	1450	1450
1.5	2980	2980	2980	2570	2570	2570	2380	2380	2380	2000	2000	2000	1450	1450	1450
1.8	2980	2980	2980	2570	2570	2570	2380	2380	2380	2000	2000	2000	1450	1450	1450
2	2865	2865	2865	2570	2570	2570	2380	2380	2380	2000	2000	2000	1450	1450	1450
2.19	2715	2715	2715	2570	2570	2265	2380	2380	2165	2000	2000	2000	1450	1450	1450
2.5	Unusable			2405	2330	1905	2205	2140	1875	2000	2000	1670	1450	1450	1450
3				2030	2000	1515	1940	1805	1510	1755	1645	1295	1450	1450	1125
3.5				1735	1720	1265	1705	1525	1225	1545	1380	1045	1450	1210	910
4				1500	1490	1085	1490	1290	1005	1360	1165	860	1255	1025	750
4.5				Unusable			1300	1085	820	1200	990	720	1100	880	630
5							1130	905	670	1060	850	610	965	760	535
5.5							975	750	545	930	725	525	850	660	460
5.81							860	660	475	790	605	420			
6							815	625	450	755	575	395			
6.5							710	535	390	670	500	345			
7							620	455	335	595	440	300			
7.5							530	390	290	525	385	260			
7.62							510	375	285		510	370	250		
8							Unusable				470	335	230		
8.5											415	290	200		
9											365	255	170		
9.3											340	230	160		
9.43											330	225	155		

*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.



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	
		90	950	950	950	950	950	950	950	950	950	
	45	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	950	950	950	605	605	605	445	445	445	
		0	950	950	950	605	605	605	445	445	445	
4.86m Boom	85	90	950	950	950	950	950	950	950	950	950	
		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	
	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	
		0	950	950	950	605	605	605	445	445	445	
6.67m Boom	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	
		0	0	725	540	300	540	410	230	425	325	185
	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	
		0	950	950	950	605	605	605	445	445	445	
8.48m Boom	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	480	445	445	370	
		0	950	950	700	605	950	740	950	950	740	
	50	85	950	950*2	680	950	935	655	610	610	610	
		55	950*41	670	480	710	550	395	610	460	330	
		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	
35	55	630	420	245	530	355	210	455	305	175		
	0	510	355	185	400	275	140	325	220	115		
	0	0	380	260	105	300	210	80	250	170	55	
	10.29m 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	
90			950	950	950	950	950	950	950	950	950	
67		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	
		90	950	810	535	950	810	535	950	810	535	
		85	950	720	495	950	690	480	610	610	465	
55	55	770	520	355	640	435	290	545	375	240		
	0	630	435	260	480	335	205	385	265	160		
	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		
40	0	335	230	90	270	180	70	225	150			
	0	0	195	100		160	90		130	70		
	85	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	
0		950	950	950	605	605	605	445	445	445		
90		950	950	845	950	950	845	950	950	845		
67	85	950	950	775	680	680	680	610	610	610		
	55	950	745	535	680	605	435	610	505	365		
	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	55	515	340	205	445	295	180	390	255	145		
	0	440	290	135	335	230	80	285	185			
	40	90	300	190		300	190		300	190		
		85	285	180		280	175		275	165		
		55	230	140		205	120		180	105		
0		220	120		155	95		150	75			
0		0	75		60			45				