

MiMA

MK 15 ELECTRIC COUNTERBALANCE FORKLIFT



MK Series – 4-Wheel Electric Counterbalance Forklifts – Capacity: 1,500 – 4,000 Kgs | Lift Height: 3.0m Up to 6.5m

The MK Series (1.5t–4.0t) is a robust and reliable range of 4-wheel electric counterbalance forklifts, built for performance in both indoor and outdoor environments. With lift heights up to 6.5 metres and zero-emission electric power, they are ideal for everyday warehouse, yard, and manufacturing operations. Each model features AC drive technology, regenerative braking, and ergonomic controls for smooth, precise handling. The MK Series offers a stable platform for mid-capacity loads and is an excellent replacement for diesel or LPG machines.

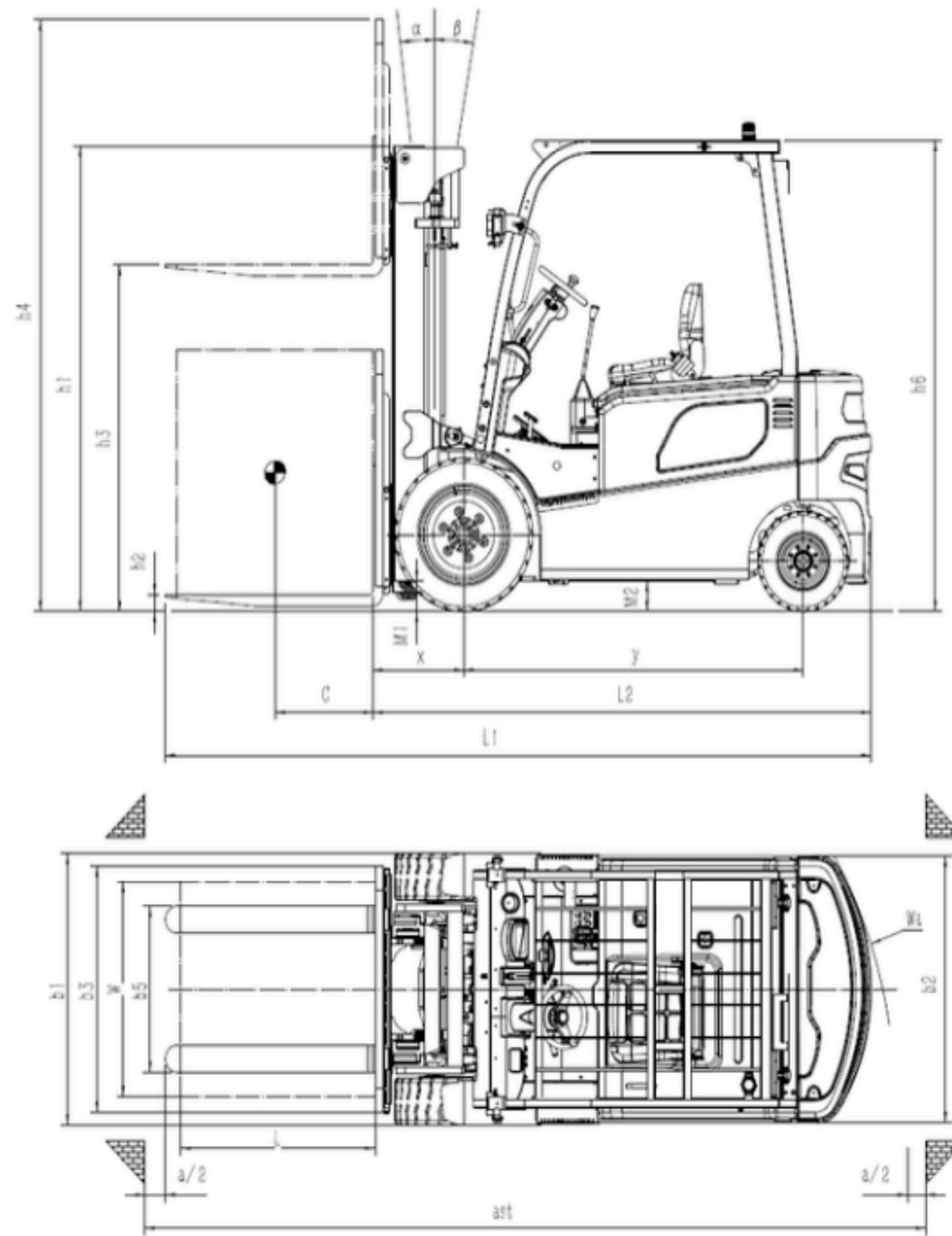
Ideal for:

- Indoor/outdoor pallet handling
- General-purpose logistics and warehouse use
- Operations looking to reduce emissions without compromising on performance



Characteristics	1.1	Manufacturer		MIMA	MIMA
	1.2	Model		MK15	MK15
		Technical code		2MK15M	2MK15S
	1.3	Power type		Battery	Battery
	1.4	Operation		Seated	Seated
	1.5	Load capacity	Q(kg)	1500	1500
	1.6	Load center distance	C(mm)	500	500
	1.7	Front overhang	x(mm)	402	402
	1.8	Wheelbase	y(mm)	1500	1500
Weight	2.1	Service Weight(incl/excl. battery)	kg	/	/
	2.2	Axle loading, laden, front/rear	kg	/	/
	2.3	Axle loading, unladen, front/rear	kg	/	/
Wheel	3.1	Tyre type		Pneumatic	Pneumatic
	3.2	Tyre size, front		6.50-10-10PR	6.50-10-10PR
	3.3	Tyre size, rear		16×6-8-10PR	16×6-8-10PR
	3.4	Wheels,number front/rear (X=driven)		2X/2	2X/2
	3.5	Track width, front	b10(mm)	950	950
	3.6	Track width, rear	b11(mm)	900	900
Dimension	4.1	Mast tilt angle front/rear	$\alpha/\beta(^{\circ})$	6/10	6/10
	4.2	Mast retracted height	h1(mm)	Refer to the mast specification	Refer to the mast specification
	4.3	Free Lift height	h2(mm)	145	145
	4.4	Rated weight lifting height	h3(mm)	3000	3000
	4.5	Mast extended height	h4(mm)	Refer to the mast specification	Refer to the mast specification
	4.6	Overhead guard height	h6(mm)	2125	2125
	4.7	Seat index point height	h7(mm)	1100	1100
	4.8	Towing pin height	h10(mm)	260	260
	4.9	Overall length	L1(mm)	3297	3297
	4.10	Body to fork surface length	L2(mm)	2227	2227
	4.11	Overall width	b1/b2(mm)	1120	1120
	4.12	Fork dimensions	l/e/s(mm)	1070/100/35	1070/100/35
	4.13	Installation level (ISO2328)		2A	2A
	4.14	Fork carriage width	b3(mm)	1040	1040
	4.15	Fork outside spread	b5(mm)	1040~200	1040~200
	4.16	Ground clearance below mast	m1(mm)	100	100
	4.17	Ground clearance,body	m2(mm)	110	110
	4.18	Aisle width with pallet 1000*1200mm, C=500mm	mm	3595	3595
	4.19	Aisle width with pallet 800*1200mm, C=600mm	mm	3790	3790
	4.20	More aisle width	mm	Refer to the aisle specification	Refer to the aisle specification
	4.21	Turning radius	Wa(mm)	1940	1940
Performance	5.1	Travelling speed, laden/unladen	km/h	14.5/15	12/13
	5.2	Travelling speed, laden/unladen,backward	km/h		
	5.3	Lift speed, laden/unladen	mm/s	365/440	335/400
	5.4	Lowering speed, laden/unladen	mm/s	400/400	400/400
	5.5	Maximum traction force, laden/unladen	N	11000	9500
	5.6	Gradeability, laden/unladen (S2-2min)	%	15/25	12/13
	5.7	Acceleration time of 10 meters, laden/unladen	S		
	5.8	Service brake		Hydraulic	Hydraulic
	5.9	Parking brake		Mechanical	Mechanical
Drive	6.1	Drive motor, rating S2=60	kw	AC8	AC8
	6.2	Lift motor, rating S3=15%	kw	AC10.6	AC10.6
	6.3	Lead-acid battery voltage/nominal capacity,standard	V/Ah	48/480	48/400
	6.4	Battery capacity, optional	V/Ah	48/400	48/480
	6.5	Maximum battery capacity of the side pull model	V/Ah	48/480	48/480
	6.6	Lead acid battery weight	kg	760	700
	6.7	Lithium battery voltage/ nominal capacity, standard	V/Ah	48/230	48/230
	6.8	Lithium battery voltage/ nominal capacity, optional	V/Ah	48/410	48/410
	6.9	Lithium battery weight	kg	150	150
Others	7.1	Hydraulic system pressure	Mpa	21.5	21.5

Note:
1,The driving speed, lifting and lowering speed, climbing ability and other parameters are suitable for duplex mast standard models.These may vary for additional attachment,, or mast changes.
2,This is the data of the standard model, which will change according to the different configuration;



Load parameter table 15M

Type	Model	Lifting height mm	Load capacity												
			kg												
	C(mm)▶@		500	550	600	650	700	750	800	850	900	950	1000	1050	1100
Duplex mast	60L	6000	1040	980	920	860	810	760	720	680	640	600	570	540	500
	55L	5500	1130	1060	1000	940	880	830	790	740	700	660	630	590	560
	50L	5000	1230	1160	1090	1020	970	910	860	820	770	730	690	650	620
	45L	4500	1350	1270	1200	1130	1060	1010	950	900	860	810	770	730	690
	40L	4000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	37L	3700	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	35L	3500	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	33L	3300	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	30L	3000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	27L	2700	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	25L	2500	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	20L	2000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	Duplex full free mast	60Q	6000	1040	980	920	860	810	760	720	680	640	600	570	540
55Q		5500	1130	1060	1000	940	880	830	790	740	700	660	630	590	560
50Q		5000	1230	1160	1090	1020	970	910	860	820	770	730	690	650	620
45Q		4500	1350	1270	1200	1130	1060	1010	950	900	860	810	770	730	690
40Q		4000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
37Q		3700	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
35Q		3500	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
33Q		3300	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
30Q		3000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
27Q		2700	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
25Q		2500	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
20Q		2000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
Triplex full free mast		70T	7000	820	770	720	670	630	590	560	520	490	460	430	400
	68T	6800	840	790	740	690	650	610	570	540	500	470	440	410	380
	65T	6500	880	820	770	720	680	640	600	560	530	500	470	440	410
	63T	6300	900	840	790	740	700	650	620	580	540	510	480	450	420
	60T	6000	950	890	840	780	740	690	650	610	580	540	510	480	450
	55T	5500	1030	970	910	850	800	760	710	670	630	600	560	530	500
	50T	5000	1120	1050	990	930	880	830	780	740	700	660	620	590	550
	48T	4800	1160	1090	1020	960	910	860	810	770	720	680	650	610	580
	45T	4500	1230	1160	1090	1020	970	910	860	820	770	730	690	650	620
	40T	4000	1370	1290	1210	1140	1080	1020	970	920	870	820	780	740	700
	36T	3600	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	/	3300	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780

Notes: 1. When installing an external side shifter , reduce the load by 150kg;
2. The comprehensive load capacity of other attachments needs to be calculated;

Load parameter table 15S

Type	Model	Lifting height mm	Load capacity												
			kg												
	C(mm)▶@		500	550	600	650	700	750	800	850	900	950	1000	1050	1100
Duplex mast	60L	6000	970	910	850	800	750	710	670	630	590	560	520	490	460
	55L	5500	1050	980	930	870	820	770	730	690	650	610	580	540	510
	50L	5000	1150	1080	1020	960	900	850	800	760	720	680	640	600	570
	45L	4500	1260	1180	1110	1050	990	940	890	840	790	750	710	670	640
	40L	4000	1400	1320	1240	1170	1110	1050	990	940	890	840	800	760	720
	37L	3700	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	35L	3500	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	33L	3300	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	30L	3000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	27L	2700	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	25L	2500	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	20L	2000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
	Duplex full free mast	60Q	6000	970	910	850	800	750	710	670	630	590	560	520	490
55Q		5500	1050	980	930	870	820	770	730	690	650	610	580	540	510
50Q		5000	1150	1080	1020	960	900	850	800	760	720	680	640	600	570
45Q		4500	1260	1180	1110	1050	990	940	890	840	790	750	710	670	640
40Q		4000	1400	1320	1240	1170	1110	1050	990	940	890	840	800	760	720
37Q		3700	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
35Q		3500	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
33Q		3300	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
30Q		3000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
27Q		2700	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
25Q		2500	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
20Q		2000	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780
Triplex full free mast		70T	7000	760	710	660	620	580	550	510	480	450	420	390	360
	68T	6800	780	730	680	640	600	560	530	490	460	430	400	370	350
	65T	6500	810	760	710	660	620	580	550	510	480	450	420	390	370
	63T	6300	840	790	740	690	650	610	570	540	500	470	440	410	380
	60T	6000	880	820	770	720	680	640	600	560	530	500	470	440	410
	55T	5500	950	890	840	780	740	690	650	610	580	540	510	480	450
	50T	5000	1040	980	920	860	810	760	720	680	640	600	570	540	500
	48T	4800	1080	1010	950	900	840	800	750	710	670	630	590	560	530
	45T	4500	1140	1070	1010	950	890	840	800	750	710	670	630	600	560
	40T	4000	1270	1190	1120	1060	1000	940	890	840	800	760	720	680	640
	36T	3600	1390	1310	1230	1160	1100	1040	980	930	880	840	790	750	710
	/	3300	1500	1410	1330	1260	1190	1120	1070	1010	960	910	870	820	780

Notes: 1. When installing an external side shifter , reduce the load by 150kg;
2. The comprehensive load capacity of other attachments needs to be calculated;

Minimum Stacking Aisle Parameter Comparison Table

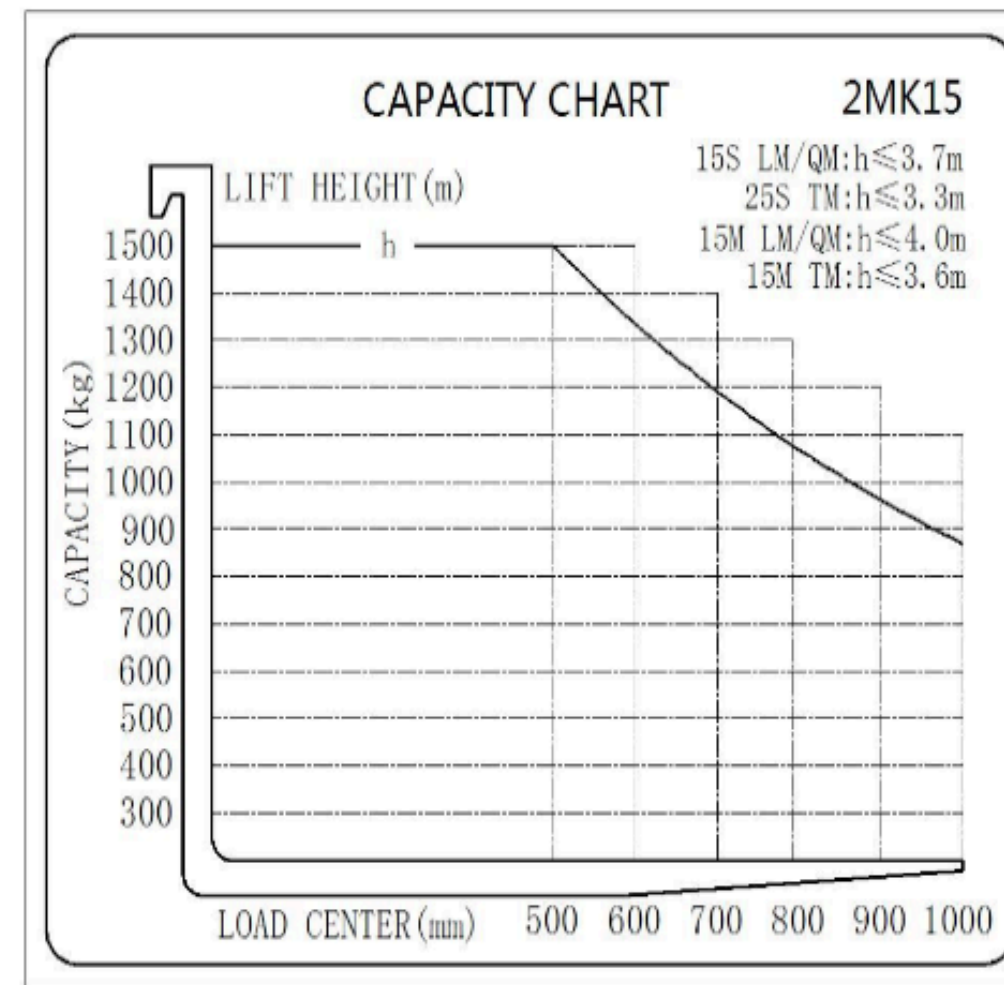
2MK15															
		Pallet Along fork dimensions (L)													
		mm	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
Pallet Cross fork dimensions (W)	800	3542	3642	3742	3842	3942	4042	4142	4242	4342	4442	4542	4642	4742	
	900	3542	3642	3742	3842	3942	4042	4142	4242	4342	4442	4542	4642	4742	
	1000	3542	3642	3742	3842	3942	4042	4142	4242	4342	4442	4542	4642	4742	
	1100	3544	3644	3744	3844	3944	4043	4143	4243	4343	4443	4543	4643	4743	
	1200	3548	3647	3747	3847	3946	4046	4146	4246	4346	4445	4545	4645	4745	
	1300	3553	3652	3752	3851	3950	4050	4150	4249	4349	4449	4548	4648	4748	
	1400	3560	3659	3758	3857	3956	4055	4155	4254	4353	4453	4553	4652	4752	
	1500	3569	3667	3765	3864	3963	4062	4161	4260	4359	4458	4558	4657	4756	
	1600	3579	3677	3775	3873	3971	4070	4168	4267	4366	4465	4564	4663	4762	
	1700	3591	3688	3785	3883	3981	4079	4177	4275	4374	4472	4571	4670	4769	
	1800	3605	3701	3797	3894	3991	4089	4187	4285	4383	4481	4579	4678	4776	
	1900	3620	3715	3811	3907	4004	4100	4198	4295	4393	4490	4589	4687	4785	
2000	3637	3731	3826	3921	4017	4113	4210	4307	4404	4501	4599	4696	4794		
2100	3655	3748	3842	3937	4032	4127	4223	4319	4416	4513	4610	4707	4805		

2MK20 ~ 2MK25															
		Pallet Along fork dimensions (L)													
		mm	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
Pallet Cross fork dimensions (W)	800	3750	3850	3950	4050	4150	4250	4350	4450	4550	4650	4750	4850	4950	
	900	3750	3850	3950	4050	4150	4250	4350	4450	4550	4650	4750	4850	4950	
	1000	3750	3850	3950	4050	4150	4250	4350	4450	4550	4650	4750	4850	4950	
	1100	3751	3851	3951	4051	4151	4251	4351	4451	4551	4651	4751	4851	4951	
	1200	3754	3854	3954	4053	4153	4253	4353	4453	4553	4653	4752	4852	4952	
	1300	3759	3858	3958	4057	4157	4257	4356	4456	4556	4655	4755	4855	4955	
	1400	3765	3864	3963	4063	4162	4261	4361	4460	4560	4659	4759	4859	4958	
	1500	3773	3872	3970	4069	4168	4267	4366	4466	4565	4664	4764	4863	4963	
	1600	3783	3881	3979	4077	4176	4274	4373	4472	4571	4670	4770	4869	4968	
	1700	3794	3891	3989	4087	4185	4283	4381	4480	4579	4677	4776	4875	4974	
	1800	3807	3903	4000	4097	4195	4293	4391	4489	4587	4685	4784	4883	4982	
	1900	3821	3917	4013	4109	4206	4304	4401	4499	4597	4695	4793	4891	4990	
2000	3837	3932	4027	4123	4219	4316	4412	4510	4607	4705	4803	4900	4999		
2100	3854	3948	4042	4137	4233	4329	4425	4522	4619	4716	4813	4911	5009		

2MK35~2MK40 (2MK30: Subtract 5mm from the table data)															
		Pallet Along fork dimensions (L)													
		mm	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200
Pallet Cross fork dimensions (W)	800	3887	3987	4087	4187	4287	4387	4487	4587	4687	4787	4887	4987	5087	
	900	3887	3987	4087	4187	4287	4387	4487	4587	4687	4787	4887	4987	5087	
	1000	3887	3987	4087	4187	4287	4387	4487	4587	4687	4787	4887	4987	5087	
	1100	3887	3987	4087	4187	4287	4387	4487	4587	4687	4787	4887	4987	5087	
	1200	3889	3989	4089	4189	4289	4389	4487	4588	4688	4788	4888	4988	5088	
	1300	3893	3992	4092	4192	4292	4391	4487	4587	4687	4791	4890	4990	5090	
	1400	3898	3997	4097	4196	4296	4395	4487	4587	4694	4794	4894	4993	5093	
	1500	3905	4004	4103	4202	4301	4400	4499	4599	4699	4798	4898	4997	5097	
	1600	3913	4012	4110	4209	4308	4407	4505	4605	4704	4804	4903	5002	5102	
	1700	3924	4021	4119	4218	4316	4414	4512	4612	4711	4810	4909	5008	5107	
	1800	3935	4032	4130	4227	4325	4423	4522	4620	4719	4817	4916	5015	5114	
	1900	3949	4045	4142	4239	4336	4433	4531	4629	4727	4826	4924	5023	5121	
2000	3964	4059	4155	4251	4348	4445	4542	4640	4737	4835	4933	5031	5130		
2100	3980	4074	4169	4265	4361	4457	4553	4650	4747	4844	4941	5038	5135		

Note:

1. The data in the table represents the minimum stacking aisle width, which is the clear aisle between two racks. If the goods extend beyond the racks, the aisle distance should be accordingly increased, with a recommendation of adding 2 times the actual size of the goods extending from the racks or more.
2. For efficient aisle width, add 100 mm or more.



Configuration code: H-high configuration, M-medium configuration, S-standard configuration
 Mast code: LM- duplex mast, QM- duplex full free mast, TM- triplex full free mast