

COUNTERBALANCED FORKLIFT

Z
SERIES

LI-ION
TECHNOLOGY

Z2000 1.8-3.5 TONNES ELECTRIC



Tailift



TOYOTA INDUSTRIES GROUP

FEATURES

Z2000 1.8-3.5 TONNES

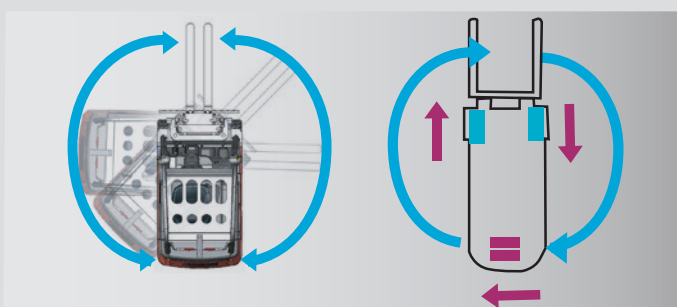
Streamline your operations with efficient Lithium-ion forklifts!

Tailift's latest advancements bring our internationally renowned quality and durability to lithium-ion battery powered forklifts, which are designed to increase efficiency, reduce charging time, and enhance productivity. Improvements have been made specifically in the areas of hydraulic functionality, overall performance and electrical components. Our ergonomic and versatile forklifts are particularly schemed to meet the needs of warehouses, distribution centers and manufacturing facilities.



HEAVY-DUTY CHASSIS

Our no-bolt heavy-duty chassis provides relentless protection and sturdy longevity. Designed to withstand extreme weight and high temperatures, utilizing the durability of high-carbon German steel.



COMPACT MOBILITY

For smooth operation in condensed spaces, drive motors are compact and powerful, featuring less than 1651mm turning radius on 3-wheel models.



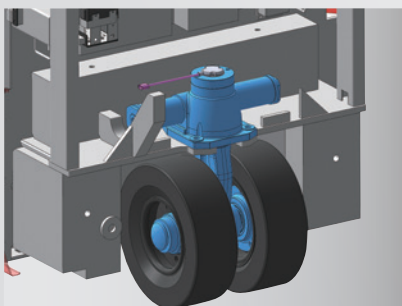


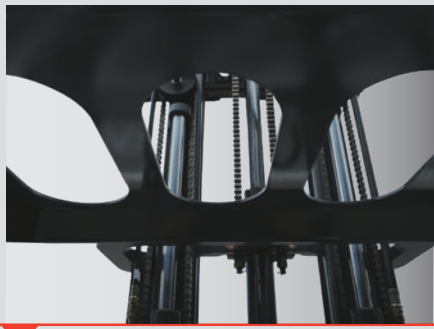
EFFICIENT SERVICE

Accessible rear service panels, compact fuse boxes, and durable brake system ensure quick and efficient upkeep.

RELIABLE SUPPORT

Built with high-quality components, backed by accessible service support team, trusted engineering, manufacturer-provided warranty, and centrally located OEM parts. Ensuring lasting quality and value.





CLEAR VISIBILITY

Clear View Mast with a Lowered Lift Cylinder, Slotted Overhead Guard, and Open Rear visibility.

LED LIGHT PACKAGE

These power-efficient and sleek new LED lights last longer and are brighter than our previous designs!



ERGONOMIC ACCESSIBILITY

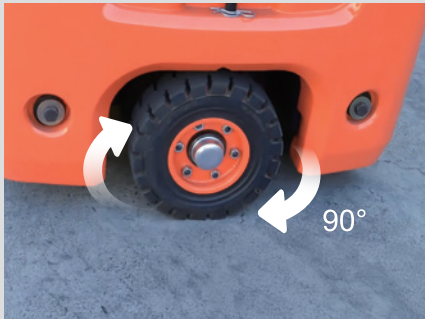
Featuring our easy entry step and handle, adjustable features, and a maximized operation space.

IMPROVED INSTRUMENT PANEL

The all-in-one dashboard keeps operators informed of crucial battery and performance indicators at a glance.

OPTIMIZED STEERING COLUMN

Minimizing strain and increasing efficiency through comfortable, accessible, and adjustable operation features.



SUSPENSION SEAT

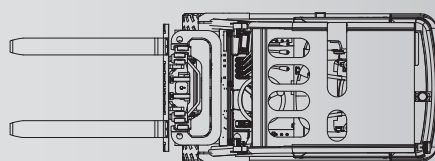
High-efficiency shock absorbers and seat belts, ergonomically designed to relieve the pressure from the back & arm, and double-sided armrests provide additional support to enhance the operation comfort.

TIGHT TURNING

Our three-wheel models feature less than 1651mm turning radius, with the ability to rotate tires to a dynamic 90-degree angle.

REVERSE FEATURES

Safely and seamlessly travel in reverse with an accessible rear grip equipped with a horn button and LED indicator lights.



PREMIUM VISIBILITY OPTION

Increase warehouse safety and improve operator's ability to quickly identify surrounding hazards by adding an electric intelligent camera warning system.



LITHIUM-ION INNOVATION

QUICK CHARGE

Streamline your operations and shorten charging time. Simply plug in the charger, and power from empty to full in 2 hours or less. No daily battery upkeep, exchanges, or cooling periods are needed.

MINIMAL UPKEEP

Say goodbye to watering, equalizing, draining, corrosion, and lead acid maintenance. Lithium-ion batteries are sealed, clean, and compact, with an informative battery display and minimal service needed.

EFFICIENT POWER

Increased output, endurance, and overall efficiency with minimal self-discharge and power loss. As the battery power drops, the forklift will continue at peak performance without reducing speed or strength until empty.

COST EFFECTIVE

Reduced time and resources spent on energy and charging with increased ROI and lasting battery life. These energy-efficient batteries save on electrical expenses and last up to 10 years.

OPPORTUNITY CHARGE

No battery memory allows for quick charging anytime. Ideal for multi-shift operations, increasing your operation's productivity and removing the need for battery exchanges and long charging wait times.



TRUCK SPECIFICATIONS



Z2000 SERIES 1.8-3.5 TONNES

ZFBT18

ZFBT20

ZFB18

ZFB20

ZFB25

ZFB30

ZFB35

ZFB25C

ZFB30C

CHARACTERISTICS

Drive Power Type	Electric, Diesel, Gasoline, LPG	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric	Electric
Operator Type	Pedestrian, Standing, Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
Load Capacity	Q 3000mm Duplex Mast w/o Sideshift	kgs 1800	2000	1800	2000	2500	3000	3500	2500	3000	
Load Center	C Distance	mm 500	500	500	500	500	500	500	500	500	500
Load Distance	X From Center of Front Axle to Fork	mm 370	375	400	500	500	515	515	423	460	
Wheelbase	Y Distance	mm 1420	1420	1350	1486	1486	1566	1566	1280	1390	

TIRES/CHASSIS

Tire Type	P=Air Pneumatic, S=Solid, C=Cushion	F/R	S / S	S / S	P / P	P / P	P / P	P / P	P / P	C / C	C / C
Wheels	Number (X=Driven Wheels)	F/R	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2	2x / 2
Tire Size	Front		18x7-8	18x7-8	21x8x9-14 P.R.	23x9-10-16 P.R.	23x9-10-16 P.R.	23x9-10-20 P.R.	23x9-10-20 P.R.	21x7x15	21x8x15
	Rear		15x4 1/2-8	15x4 1/2-8	5-8-10 P.R.	18x7-8-14 P.R.	18x7-8-14 P.R.	18x7-8-14 P.R.	18x7-8-14 P.R.	16-1 /4x5x11-1/4	16-1 /4x6x11-1/4
Tread	Center Of Tires, Front	mm	920	920	910	995	995	1035	1035	885	905
	Center Of Tires, Rear	mm	205	205	895	950	950	990	990	900	920
Service Brake	Control/Operation Method		Foot/ Hydraulic	Foot/ Hydraulic	Foot/ Hydraulic	Foot/ Hydraulic	Foot/ Hydraulic	Foot/ Hydraulic	Foot/ Hydraulic	Foot/ Hydraulic	Foot/ Hydraulic
Parking Brake	Control/Operation Method		Hand/ Mechanic	Hand/ Mechanic	Hand/ Mechanic	Hand/ Mechanic	Hand/ Mechanic	Hand/ Mechanic	Hand/ Mechanic	Hand/ Mechanic	Hand/ Mechanic
Service Weight	Standard with Min. Weight of Battery	kgs	3370	3485	3600	4578	4708	5760	6010	4503	4906
Axle Loading, Loaded	Front / Rear	kgs	4433 / 737	4777 / 708	4780 / 620	5419 / 1159	6255 / 953	7654 / 1106	8529 / 981	5891 / 1112	6778 / 1128
Axle Loading, Unloaded	Front / Rear	kgs	1530 / 1840	1545 / 1940	1780 / 1820	2073 / 2505	2073 / 2635	2710 / 3050	2760 / 3250	1588 / 2915	1706 / 3200

DIMENSIONS

2-Stage Mast	h3 Maximum Lift Height (Forks)	mm	3000	3000	3000	3000	3000	3000	3000	3000	3000
	h2 Full Free Lift w/ LBR	mm	0	0	0	0	0	0	0	0	0
Mast Tilting Range	Forward(α)/Backward(β)	deg.	4° / 6°	4° / 6°	6° / 8°	6° / 8°	6° / 8°	6° / 8°	6° / 8°	6° / 6°	6° / 6°
Overall Dimensions	L2 Length to Face of Forks	mm	2050	2060	2045	2290	2290	2485	2485	2235	2235
	B Overall Width	mm	1085	1085	1080	1150	1150	1260	1260	1130	1130
	h1 Height, Mast Lowered	mm	2000	2000	2000	2000	2000	2000	2000	1990	1990
	h4 Height, Mast Extended (w/ LBR)	mm	4220	4220	4220	4220	4220	4220	4220	4220	4220
	h6 Height of Overhead Guard	mm	2085	2085	2145	2145	2145	2145	2145	2245	2245
	h7 Seat Height	mm	1010	1010	1040	1040	1040	1040	1040	1215	1215
	h8 Height of Load Backrest	mm	1225	1225	1225	1220	1220	1220	1220	1220	1220
	b3 Carriage Width	mm	920	920	920	1024	1024	1150	1150	920	970
Forks (Standard)	Thickness(s)×Width(e)×Length(l)	mm	35x100 x1070	40x122 x1070	35x100 x1070	40x122 x1070	40x122 x1070	45x122 x1070	50x122 x1070	40x122 x1070	45x122 x1070
Turning Radius	R Minimum from Outermost Edge	mm	1590	1590	1945	2155	2155	2240	2240	1745	1845
Aisle Width	Ast for Pallets 800×1200 Crossways	mm	2960	2965	3345	3655	3655	3755	3755	3168	3305
	for Pallets 1000×1200 Lengthways	mm	3160	3165	3545	3855	3855	3955	3955	3368	3505
Ground Clearance	m1 At the Lowest Point, Loaded	mm	103	103	120	120	120	120	120	105	110
	m2 Center Of Wheelbase, Loaded	mm	95	95	110	115	115	115	115	120	120

POWERTRAIN

Battery	Type	LI-ION	LI-ION	LI-ION	LI-ION	LI-ION	LI-ION	LI-ION	LI-ION	LI-ION	LI-ION
	Voltage	V	48	48	48	48	48	80	80	48	48
	Min. Capacity (5 Hours Rating)	Ah/5HR	315	315	315	315	315	---	---	315	315
	Max. Capacity (5 Hours Rating)	Ah/5HR	420	420	420	420	420	---	---	420	420
	Battery Compartment Size (LxWxH) (Max.)	mm	965x 560x620	965x 560x620	975x 465x620	1072x 580x620	1072x 580x620	1126x 610x620	1126x 610x620	970x 685x575	970x 700x575
	Weight (Minumum)	kgs	810	810	740	810	810	1480	1480	996	1080
Electric Motor	Drive Motor	kW	4.8x2	4.8x2	8.5	8.5	8.5	20.0	20.0	11.5	11.5
	Lift (Hydraulic) Motor	kW	20	20	20	20	20	24	24	20	20
Control Type	Drive and Hydraulic		AC	AC	AC	AC	AC	AC	AC	AC	AC
Control System	Manufacturer		ZAPI	ZAPI	ZAPI	ZAPI	ZAPI	ZAPI	ZAPI	ZAPI	ZAPI

* The specifications, values, and technical data are based on standard equipment under typical operating conditions, but may vary due to different configurations which all information is subject to change without prior notice.

* Tailift electric forklift can also use lead-acid batteries, but please confirm before placing an order.

MAST SPECIFICATIONS

Mast Type	Mast Height (Max. Fork Height)		Fully Lowered Height		Fully Extended Height				Free Lift				Single Tires w / Sideshift			
					Without STD Load Backrest		With STD Load Backrest		Without STD Load Backrest		With STD Load Backrest		Tilting Range		Load Capacity	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	FWD deg.	BWD deg.	500mm kgs	20 in lbs
ZFBT18																
2 Stage	3300	130	2200	86.6	3934	154.9	4520	178.0	0	0.0	0	0.0	4	6	1700	3745
	4000	158	2550	100.4	4634	182.4	5220	205.5	0	0.0	0	0.0	4	6	1700	3745
2 Stage (FFL)	3300	130	2200	86.6	3934	154.9	4520	178.0	1531	60.3	945	37.2	4	6	1700	3745
3 Stage (FFL)	4500	177	2158	85.0	5124	201.7	5710	224.8	1489	58.6	903	35.6	4	6	1400	3085
	4800	189	2188	86.1	5454	214.7	6040	237.8	1519	59.8	933	36.7	4	6	1350	2975
	5000	197	2308	90.9	3934	154.9	4520	178.0	1639	64.5	1053	41.5	4	6	1250	2755
ZFBT20																
2 Stage	3300	130	2200	86.6	3934	154.9	4520	178.0	0	0.0	0	0.0	4	6	1900	4190
	4000	158	2550	100.4	4634	182.4	5220	205.5	0	0.0	0	0.0	4	6	1900	4190
2 Stage (FFL)	3300	130	2200	86.6	3934	154.9	4520	178.0	1531	60.3	945	37.2	4	6	1900	4190
3 Stage (FFL)	4500	177	2158	85.0	5124	201.7	5710	224.8	1489	58.6	903	35.6	4	6	1650	3635
	4800	189	2188	86.1	5390	212.2	5976	235.3	1519	59.8	933	36.7	4	6	1630	3590
	5000	197	2308	90.9	3934	154.9	4520	178.0	1639	64.5	1053	41.5	4	6	1500	3305
ZFB18																
2 Stage	3300	130	2200	86.6	3934	154.9	4520	178.0	0	0.0	0	0.0	6	8	1620	3570
	4000	158	2550	100.4	4634	182.4	5220	205.5	0	0.0	0	0.0	6	6	1620	3570
2 Stage (FFL)	3300	130	2200	86.6	3934	154.9	4520	178.0	1566	61.7	980	38.6	6	8	1620	3570
3 Stage (FFL)	4500	177	2110	83.1	5124	201.7	5710	224.8	1466	57.7	880	34.6	6	6	1390	3065
	4800	189	2210	87.0	5454	214.7	6040	237.8	1566	61.7	980	38.6	6	6	1390	3065
	5000	197	2260	89.0	5582	219.8	6168	242.8	1616	63.6	1030	40.6	6	6	1150	2535
ZFB20																
2 Stage	3300	130	2200	86.6	4019	158.2	4520	178.0	0	0.0	0	0.0	6	8	1860	4100
	4000	158	2550	100.4	4719	185.8	5220	205.5	0	0.0	0	0.0	6	6	1860	4100
2 Stage (FFL)	3300	130	2200	86.6	4019	158.2	4520	178.0	1486	58.5	980	38.6	6	8	1860	4100
3 Stage (FFL)	4500	177	2110	83.1	5209	205.1	5710	224.8	1386	54.6	880	34.6	6	6	1670	3680
	4800	189	2210	87.0	5539	218.1	6040	237.8	1486	58.5	980	38.6	6	6	1670	3680
	5000	197	2260	89.0	5667	223.1	6168	242.8	1536	60.5	1030	40.6	6	6	1440	3175
ZFB25																
2 Stage	3300	130	2200	86.6	4019	158.2	4520	178.0	0	0.0	0	0.0	6	8	2340	5160
	4000	158	2550	100.4	4719	185.8	5220	205.5	0	0.0	0	0.0	6	6	2340	5160
2 Stage (FFL)	3300	130	2200	86.6	4019	158.2	4520	178.0	1486	58.5	980	38.6	6	8	2340	5160
3 Stage (FFL)	4500	177	2110	83.1	5209	205.1	5710	224.8	1386	54.6	880	34.6	6	6	1910	4210
	4800	189	2210	87.0	5539	218.1	6040	237.8	1486	58.5	980	38.6	6	6	1910	4210
	5000	197	2260	89.0	5667	223.1	6168	242.8	1536	60.5	1030	40.6	6	6	1530	3370
ZFB30																
2 Stage	3300	130	2200	86.6	4023	158.4	4520	178.0	0	0.0	0	0.0	6	8	2790	6150
	4000	158	2550	100.4	4723	185.9	5220	205.5	0	0.0	0	0.0	6	6	2790	6150
2 Stage (FFL)	3300	130	2200	86.6	3938	155.0	4520	178.0	1573	61.9	980	38.6	6	8	2790	6150
3 Stage (FFL)	4500	177	2110	83.1	5128	201.9	5710	224.8	1473	58.0	880	34.6	6	6	2600	5730
	4800	189	2210	87.0	5458	214.9	6040	237.8	1573	61.9	980	38.6	6	6	2600	5730
	5000	197	2260	89.0	5586	219.9	6168	242.8	1623	63.9	1030	40.6	6	6	2220	4890
ZFB35																
2 Stage	3300	130	2200	86.6	4023	158.4	4520	178.0	0	0.0	0	0.0	6	8	3260	7185
	4000	158	2550	100.4	4723	185.9	5220	205.5	0	0.0	0	0.0	6	6	3260	7185
2 Stage (FFL)	3300	130	2200	86.6	4023	158.4	4520	178.0	1493	58.8	980	38.6	6	8	3260	7185
3 Stage (FFL)	4500	177	2110	83.1	5213	205.2	5710	224.8	1393	54.8	880	34.6	6	6	2690	5930
	4800	189	2210	87.0	5543	218.2	6040	237.8	1493	58.8	980	38.6	6	6	2690	5930
	5000	197	2260	89.0	5671	223.3	6168	242.8	1543	60.7	1030	40.6	6	6	2320	5115
ZFB25C																
2 Stage	3300	130	2190	86.2	4019	158.2	4520	178.0	0	0.0	0	0.0	6	6	2330	5135
	4000	158	2540	100.0	4719	185.8	5220	205.5	0	0.0	0	0.0	6	6	2330	5135
2 Stage (FFL)	3300	130	2190	86.2	3844	151.3	4520	178.0	1476	58.1	970	38.2	6	6	2330	5135
3 Stage (FFL)	4500	177	2087	82.2	5034	198.2	5710	224.8	1363	53.7	857	33.7	6	6	2250	4960
	4800	189	2187	86.1	5364	211.2	6040	237.8	1463	57.6	957	37.7	6	6	2250	4960
ZFB30C																
2 Stage	3300	130	2190	86.2	4023	158.4	4520	178.0	0	0.0	0	0.0	6	6	2780	6130
	4000	158	2540	100.0	4723	185.9	5220	205.5	0	0.0	0	0.0	6	6	2780	6130
2 Stage (FFL)	3300	130	2200	86.6	3938	155.0	4520	178.0	1488	58.6	980	38.6	6	6	2780	6130
3 Stage (FFL)	4500	177	2097	82.6	5128	201.9	5710	224.8	1375	54.1	867	34.1	6	6	2600	5730
	4800	189	2197	86.5	5458	214.9	6040	237.8	1475	58.1	967	38.1	6	6	2600	5730

* Continuing improvement may lead to the changes in the specifications.

TAIWAN

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Headquarters

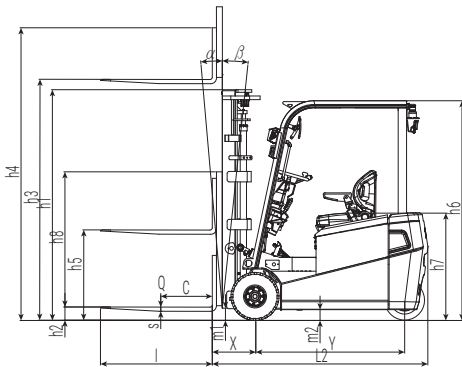
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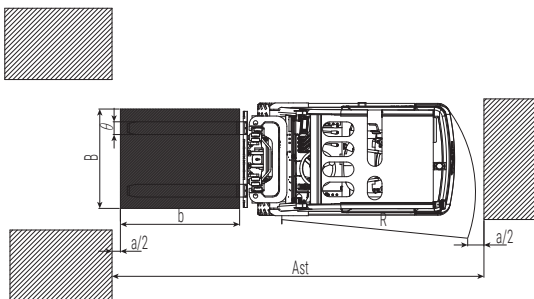
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h5 = Free Lift of Duplex FFL & Triplex FFL Mast



$Ast = X + R + b + a$
b = Load Length
a = Clearance (200mm)



EDITION : DEB109-01