



**COUNTERBALANCED
TRUCK**

9L PLUS II SERIES

4.0-5.5 TONNES
PNEUMATIC

Tailift



TOYOTA INDUSTRIES GROUP



TAIWAN

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Management
System
ISO 9001:2015
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EDITION : DEB101-01

HEAVY DUTY



FEATURES

9L PLUS II SERIES 4.0-5.5 TONNES

Enhanced Beyond Expectations !!

Tailift's enhanced high-capacity forklifts are designed for the most demanding job sites, built with high-quality components and compliant with Toyota's manufacturing standards. Equipped with a 4-valve hydraulic system, eco-friendly engines, and a robust German steel structure, we ensure operational safety and enhance work efficiency. Backed by over 50 years of innovation and engineering expertise, our forklifts come standard with suspension seats, easy-to-read LCD display, and safety-compliant features, offering ergonomic comfort and reliability in all kinds of challenging environments.

EASY MAINTENANCE

Our compact and convenient maintenance panel was designed for easy and efficient service, with quick access to PM parts such as air filters and fuse boxes. The engine bay opens to an ample 80-degree angle, with a sturdy integrated latch, protective fan-guard, and a durable heat-resistant iron hood.

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.







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!



REAR BLUE LIGHT (OPTION)

Enhances safety by improving visibility in low-light areas, alerting personnel, and reducing accident risks.



INSTRUMENT PANEL

Making performance and functions clear at a glance, while keeping operators informed of all crucial performance indicators.



HIDDEN TILT CYLINDER

To reduce scraping, enlarge access space, and improve design, tilt cylinders are internally stored.



ADJUSTABLE STEERING WHEEL COLUMN

Easily tilted and adjusted to provide ideal operating position and increased comfort!

HIGH-PERFORMANCE ENGINES



Providing reliable lifting power with Innovation and Resilience.

EMISSIONS COMPLIANCE

Satisfying rigid EPA regulations while running cleaner and more efficiently: EPA/CARB Tier 4 Final + EU Stage V.

HIGH PERFORMANCE

Powerful acceleration, full power torque output, and superior resistance with a stable loading idle.

SMOOTH STABILITY

Optimized combustion, with built-in high-pressure common rail and fuel injectors, producing less noise and vibrations.

FUEL EFFICIENCY

The Diesel V3307 engine features DPF technology and high post-processing regeneration efficiency with low regeneration triggering criteria, providing cleaner exhaust with a competitive edge.

RESISTANCE

Stable loading idle, full torque output, and high resistance to stalling at low speeds.

EASY MAINTENANCE

The Kubota engine is highly integrated, with a compact and convenient maintenance panel.



SUSPENSION SEAT (OPTION)

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.



NON-SLIP ENTRY STEP

Increased foot space and non-slip grip makes it safer to get on and off the forklift.



REAR ASSIST GRIP WITH HORN BUTTON (OPTION)

Rear grip handles are equipped with a horn button for easy access while traveling in reverse.



TRUCK SPECIFICATIONS

9L PLUS II SERIES 4.0-5.5 TONNES

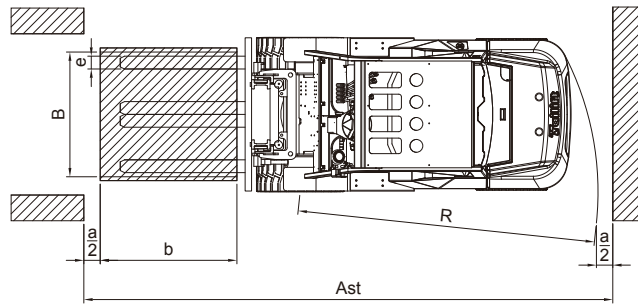
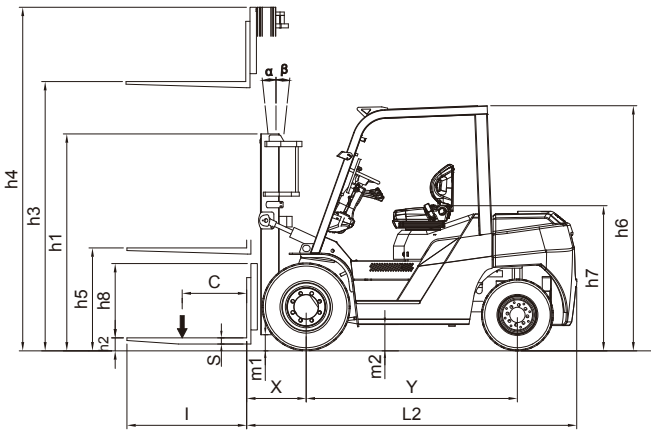
FLEX PLUS II SERIES 4.0-5.5 TUNNES			PFD40	PFG40	PFD45	PFG45	PFD50	PFG50	PFD55	PFG55
CHARACTERISTICS										
Drive Power Type		Electric, Diesel, Gasoline, LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG
Operator Type		Pedestrian, Standing, Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
Load Capacity	Q	3000mm Duplex Mast w/o Sideshift kgs	4000	4000	4500	4500	5000	5000	5500	5500
Load Center	C	Distance mm	600	600	600	600	600	600	600	600
Load Distance	X	From Center of Front Axle to Fork mm	570	570	570	570	570	570	570	570
Wheelbase	Y	Distance mm	2000	2000	2050	2050	2200	2200	2200	2200
TIRES/CHASSIS										
Tire Type		P=Air Pneumatic, S=Solid Pneumatic, C=Cushion F/R	P / P	P / P	P / P	P / P	P / P	P / P	P / P	P / P
Wheels		Number (X=Driven Wheels) F/R	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2
Tire Size		Front	300-15-20 P.R.	300-15-20 P.R.	300-15-20 P.R.	300-15-20 P.R.	300-15-20 P.R.	300-15-20 P.R.	355/65-15 P.R.	355/65-15 P.R.
		Rear	7.00-12-12 P.R.	7.00-12-12 P.R.	7.00-12-12 P.R.	7.00-12-12 P.R.	7.00-12-12 P.R.	7.00-12-12 P.R.	700-12 P.R.	700-12 P.R.
Tread		Center Of Tires, Front (Std./Dual) mm	1150/1380	1150/1380	1150/1380	1150/1380	1150/1380	1150/1380	1240/1380	1240/1380
		Center Of Tires, Rear mm	1190	1190	1190	1190	1190	1190	1190	1190
Service Brake		Control/Operation Method	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
Service Weight		Standard kgs	6885	6604	7080	6799	7150	6869	7248	7188
Axle Loading, Loaded		Front / Rear kgs	10297/588	9732/1172	10645/935	9780/1519	10930/1220	10065/1840	11403/1345	11372/1316
Axle Loading, Unloaded		Front / Rear kgs	3172/3713	3032/3572	3270/3810	3130/3669	3305/3845	3165/3704	2978/4270	3947/43241
DIMENSIONS										
2-Stage Mast		h3 Maximum Lift Height (Forks) mm	3000	3000	3000	3000	3000	3000	3000	3000
		h2 Full Free Lift w/ LBR mm	0	0	0	0	0	0	0	0
Mast Tilting Range		Forward(α)/Backward(β) deg.	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6° / 12°	6° / 12°
Overall Dimensions		L2 Length to Face of Forks mm	3125	3125	3175	3175	3325	3325	3325	3325
		B Overall Width (Front Std./Dual Tires) mm	1490/1770	1490/1770	1490/1770	1490/1770	1490/1770	1490/1770	1525 / 1770	1525/1770
		h1 Height, Mast Lowered mm	2205	2205	2205	2205	2205	2205	2205	2205
		h4 Height, Mast Extended (w/ LBR) mm	4116	4116	4116	4116	4158	4158	4158	4158
		h6 Height of Overhead Guard mm	2270	2270	2270	2270	2270	2270	2270	2270
		h7 Seat Height mm	1312	1312	1312	1312	1312	1312	1312	1312
		h8 Height of Load Backrest mm	1116	1116	1116	1116	1158	1158	1158	1158
		b3 Carriage Width mm	1310	1310	1310	1310	1310	1310	1310	1310
Forks (Standard)		Thickness(s)×Width(e)×Length(l) mm	50x150x1220	50x150x1220	50x150x1220	50x150x1220	60x150x1220	60x150x1220	60x150x1220	60x150x1220
Turning Radius		R Minimum From Outermost Edge mm	2700	2700	2875	2875	2985	2985	2985	2985
Aisle Width		Ast for Pallets 800×1200 Crossways mm	4270	4270	4445	4445	4555	4555	4555	4555
		for Pallets 1000×1200 Lengthways mm	4470	4470	4645	4645	4755	4755	4755	4755
Ground Clearance		m1 At the Lowest Point, Loaded	155	155	155	155	155	155	155	155
		m2 Center of Wheelbase, Loaded	222	222	222	222	222	222	222	222
POWERTRAIN										
Battery		Type	EFB 130D31L-SMF		EFB 130D31L-SMF		EFB 130D31L-SMF		EFB 130D31L-SMF	
		Voltage V	12		12		12		12	
		Capacity Ah/5hr	85		85		85		85	
		Battery Size (LxWxH) mm	305Lx173Wx202H		305Lx173Wx202H		305Lx173Wx202H		305Lx173Wx202H	
		Weight kgs	22		22		22		22	
Combustion Engine		Manufacturer	KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA
		Model	V3307-CR-TIE5B	WG3800-L-E5C	V3307-CR-TIE5B	WG3800-L-E5C	V3307-CR-TIE5B	WG3800-L-E5C	V3307-CR-TIE5B	WG3800-L-E5C
		Engine Type	DIESEL	LPG	DIESEL	LPG	DIESEL	LPG	DIESEL	LPG
		Emission Level	STAGE V	STAGE V	STAGE V	STAGE V	STAGE V	STAGE V	STAGE V	STAGE V
		Rated Output (Horsepower) kW	54.6	69	54.6	69	54.6	69	54.6	69
		Rated Speed rpm	2400	2500	2400	2500	2400	2500	2400	2500
		Number of Cylinders / Displacement No./ c.c.	4/3331	4/3769	4/3331	4/3769	4/3331	4/3769	4/3331	4/3769
		Fuel Consumption g/kWh	217	267	217	267	217	267	217	267
Transmission		Type	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
		Number of Speeds (Forward/Reverse)	2/1	2/1	2/1	2/1	2/1	2/1	2/1	2/1

* 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. Currently there is no Gasoline engine for alternative options.

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 Load Center	
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	FWD deg.	BWD deg.	600 mm kgs	24 in lbs
PFD40 / PFG40																
2 Stage	3300	130	2355	92.7	4114	162.0	4416	173.9	0	0.0	0	0.0	6	12	4090	9015
	4000	158	2805	110.4	4814	189.5	5116	201.4	0	0.0	0	0.0	6	6	4000	8815
2 Stage (FFL)	3300	130	2355	92.7	3917	154.2	4416	173.9	1553	61.1	1239	48.8	6	12	1700	3745
3 Stage (FFL)	4500	177	2249	88.5	5107	201.1	5606	220.7	1447	57.0	1133	44.6	6	6	1500	3305
	4800	189	2395	94.3	5437	214.1	5936	233.7	1593	62.7	1279	50.4	6	6	1500	3305
PFD45 / PFG45																
2 Stage	3300	130	2355	92.7	4114	162.0	4416	173.9	0	0.0	0	0.0	6	12	4545	10020
	4000	158	2805	110.4	4814	189.5	5116	201.4	0	0.0	0	0.0	6	6	4500	9920
2 Stage (FFL)	3300	130	2355	92.7	3917	154.2	4416	173.9	1553	61.1	1239	48.8	6	12	4545	10020
3 Stage (FFL)	4500	177	2249	88.5	5107	201.1	5606	220.7	1447	57.0	1133	44.6	6	6	4200	9260
	4800	189	2395	94.3	5437	214.1	5936	233.7	1593	62.7	1279	50.4	6	6	4100	9040
	5000	197	2395	94.3	5565	219.1	6064	238.7	1593	62.7	1279	50.4	6	6	3800	8375
PFD50 / PFG50																
2 Stage	3300	130	2355	92.7	4278	168.4	4458	175.5	0	0.0	0	0.0	6	12	5000	11020
	4000	158	2805	110.4	4978	196.0	5158	203.1	0	0.0	0	0.0	6	6	4900	11800
2 Stage (FFL)	3300	130	2355	92.7	4278	168.4	4458	175.5	1389	54.7	1197	47.1	6	12	5000	11020
3 Stage (FFL)	4500	177	2249	88.5	5468	215.3	5648	222.4	1283	50.5	1091	43.0	6	6	4300	9480
	4800	189	2395	94.3	5798	228.3	5978	235.4	1429	56.3	1237	48.7	6	6	4200	9260
	5000	197	2395	94.3	5926	233.3	6106	240.4	1429	56.3	1237	48.7	6	6	3900	8595
PFD55 / PFG55																
2 Stage	3300	130	2355	92.7	4458	175.5	4458	175.5	0	0.0	0	0.0	6	12	5400	11905
	4000	158	2805	110.4	5158	203.1	5158	203.1	0	0.0	0	0.0	6	6	5170	11395
2 Stage (FFL)	3300	130	2355	92.7	4458	175.5	4458	175.5	1389	54.7	1197	47.1	6	12	5400	11905
3 Stage (FFL)	4500	177	2249	88.5	5648	222.4	5648	222.4	1283	50.5	1091	43.0	6	6	4880	10760
	4800	189	2395	94.3	5978	235.4	5978	235.4	1429	56.3	1237	48.7	6	6	4850	10690

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



h5 = Free Lift of Duplex FFL & Triplex FFL Mast

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