COUNTERBALANCED TRUCK

9L PLUS II SERIES

1.8-3.6 TONNES

PNEUMATIC

Tailift TOYOTA INDUSTRIES GROUP

Tailift
TOYOTA INDUSTRIES GROUP

Tailift Material Handling Taiwan CO., LTD.

TAIWAN

Headquarters

No. 5, Zili 1st Rd., Nankang Industrial Zone,
Nantou City, Nantou County 540, Taiwan (ROC)
TEL: (+886)-49-2263800
FAX : (+886)-49-2252919
https://www.tailift.com/
E-MAIL : insales@tailift.com.tw

EDITION : DEB099-01

FEATURES

9L PLUS II SERIES I.8-3.6 TONNES

Better Than Ever

Tailift's best-selling forklifts are praised for their durability and reliability, designed to handle various terrains and heavy loads. Enhanced ergonomics and operator space offer an unmatched user experience. Upgrades include energy-saving LED lighting, eco-friendly engines, and an advanced transmission system. 9L Plus II series supports the options from 1,800 to 3,600 kgs loads, ideal for diverse working environments.

Compliant with Global Emission Standards

Tailift forklifts are equipped with Kubota engines, meeting USA EPA Tier 4 standards and EU STAGE V standards and this advanced technology effectively reduces carbon emissions while boosting performance, exceeding expectations in both power and sustainability. We also offer ISUZU, GCT, and TOYOTA engines to meet the market demands in Asia, Oceania, Africa, and Latin America.

KUBOTA ENGINE

High-performance Z-Series internal components provide operators with reliable lifting power.

HEAVY-DUTY CHASSIS

Durability is ensured with our no-bolt design. Our chassis were built with safety in mind, these integral heavy-duty chassis give the driver more protection from falling loads.

EASY MAINTENANCE

- Open hood space increased! Enlarged, 80-degree angle, maintenance space makes service more accessible than ever.
- Durable and heat-resistant iron engine hood, able to withstand 990 lbs.
- LPG tank brackets, designed to make propane change-outs quick and easy.
- Integrated engine hood latches are durable and easily opened.
- Compact fuse boxes for easy and quick inspections.
- Easy to change the air filter.

LED LIGHTS

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

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.

NON-SLIP ENTRY STEP

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

ADJUSTABLE STEERING WHEEL COLUMN

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

HIDDEN TILT CYLINDER

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

CLEAR VISIBILITY

- Slotted Overhead Guard
- High Visibility Mast
- Open Rear Visibility
- Lowered Lift Cylinder

LCD INSTRUMENT PANEL

Large and easy to read, this instrument panel is in the optimal position for legibility. The display has multiple indicators to keep the operator informed on the forklift's functions.

REAR ASSIST GRIP WITH HORN BUTTON

Rear grip handles are equipped with a horn button for easy access while traveling in reverse. NOW on all-new 9L PLUS II Series forklifts !

TRUCK SPECIFICATIONS

9L PLUS II SERIES I.8-3.6 TONNES

				PFD18	PFG18	PFD20	PFG20	PFD25	PFG25	PFD30	PFG30	PFD35	PFG35	PFD36	PFG36
CHARACTERISTICS															
Drive Power Type	Q	Electric, Diesel, Gasoline, LPG		Diesel	Gasoline/ LPG	Diesel	Gasoline/ LPG	Diesel	Gasoline/ LPG	Diesel	Gasoline/ LPG	Diesel	Gasoline/ LPG	Diesel	Gasoline/ LPG
Operator Type	C	Pedestrian, Standing, Seated		Seated		Seated		Seated		Seated		Seated		Seated	
Load Capacity		3000mm Duplex Mast w/o Sideshift	kgs	1800		2000		2500		3000		3500		3750	
Load Center		Distance	mm	500		500		500		500		500		500	
Load Distance		From Center of Front Axle to Fork	mm	430		500		500		510-515		515		515	
Wheelbase		Distance	mm	1370		1550		1550		1650		1850		1850	
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	
Wheels		Number (X=Driven Wheels)	F/R	2X / 2		2X / 2		2X / 2		2X / 2		2X / 2		2X / 2	
Tire Size		Front		6.50-10-10 P.R.		7.00-12-12 P.R.		7.00-12-12 P.R.		8.15-15-14 P.R.		8.15-15-14 P.R.		8.15-15-14 P.R.	
		Rear		5.00-8-8 P.R.		6.00-9-10 P.R.		6.00-9-10 P.R.		6.50-10-10 P.R.		6.50-10-10P.R.		6.50-10-10 P.R.	
Tread		Center Of Tires, Front	mm	900		970		970		1055		1055		1055	
		Center Of Tires, Rear	mm	925		985		985		985		985		985	
Service Brake		Control/Operation Method		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	
Service Weight		Standard	kgs	3000-3120		3556-3701		3728-3915		4249-4374		4393-4551		4582-4836	
Axle Loading, Loaded		Front / Rear	kgs	3000-3120/ 4204-4282		4606-4847/ 820-950		5468-5598/ 752-817		6408-6535/ 820-873		7046-7163/ 847-888		7572-7622/ 696-850	
Axle Loading, Unloaded		Front / Rear	kgs	1182-1250/ 1818-1900		1316-1557/ 2110-2240		1355-1485/ 2365-2430		1572-1699/ 2656-2709		1625-1743/ 2768-2808		1695-1795/ 2887-3041	
DIMENSIONS															
2-Stage Mast	h3	Maximum Lift Height (Forks)	mm	3000		3000		3000		3000		3000		3000	
	h2	Full Free Lift w/ LBR	mm	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°	
Overall Dimensions	L2	Length to Face of Forks	mm	2285		2600		2600		2755-2760		2885		2885	
	B	Overall Width	mm	1065		1152		1152		1271		1271		1271	
	h1	Height, Mast Lowered	mm	2008		2000-2005		2000-2005		2000-2029		2000-2029		2000-2029	
	h4	Height, Mast Extended (w/ LBR)	mm	4220		4220		4220		4220		4220		4220	
	h6	Height of Overhead Guard	mm	2120		2130		2130		2170		2170		2170	
	h7	Seat Height	mm	1110		1130		1130		1140		1140		1140	
	h8	Height of Load Backrest	mm	1220		1220		1220		1220		1220		1220	
	b3	Carriage Width	mm	920		1024		1024		1150		1150		1150	
Forks (Standard)		Thickness(s)×Width(e)×Length(l)	mm	35x100x1070		40x122x1070		40x122x1070		45x122x1070		50x122x1070		50x122x1070	
Turning Radius	R	Minimum From Outermost Edge	mm	2100		2230		2230		2400		2600		2600	
Aisle Width	Ast	for Pallets 800×1200 Crossways	mm	3530		3730		3730		3910-3915		4115		4115	
		for Pallets 1000×1200 Lengthways	mm	3730		3930		3930		4110-4115		4315		4315	
Ground Clearance	m1	At the Lowest Point, Loaded	mm	120		120		120		120		120		120	
	m2	Center of Wheelbase, Loaded	mm	180		195		195		220		220		220	

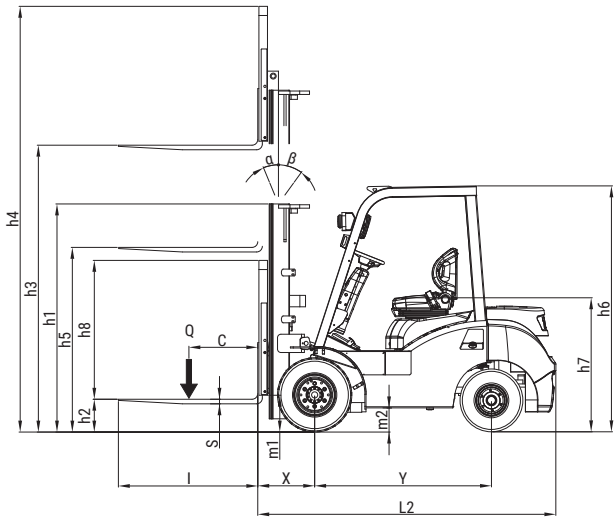
			PFD18/20/25	PFD25/ 30/35/36	PFD18/20/ 25/30/35/36	PFG30/35/36	PFG18/ 20/25/30	PFG18/ 20/25/30	PFG18/20/ 25/30/35/36
POWERTRAIN									
Battery	Type		65D26R	115D31R	EFB-130D31L	65D26R	65D26R	65D26R	115D31R
	Voltage	V	12	12	12	12	12	12	12
	Capacity	Ah/5hr	52	64	85AH/20HR	52	52	52	64
	Battery Size (LxWxH)	mm	260L×173W×225H	306L×173W×225H	305Lx173Wx225H	260L×173W×225H	260L×173W×225H	260L×173W×225H	305L×173W×202H
	Weight	kgs	17	23	22	17.4	17	17	23
Combustion Engine	Manufacturer		ISUZU	ISUZU	KUBOTA	GCT	TOYOTA	TOYOTA	KUBOTA
	Model		C240	4JG2	V2403-CR-E5	GK25	4Y-M (GAS)	4Y-M (LPG)	WG2503-L-E3
	Engine Type		DIESEL	DIESEL	DIESEL	GASOLINE	GASOLINE	LPG	LPG
	Emission Level		STAGE III	STAGE II	STAGE V	NON-EU	NON-EU	NON-EU	STAGE V
	Rated Output (Horsepower)	kW	35	45	43	37.4	33	31	46
	Rated Speed	rpm	2500	2450	2400	2300	2200	2200	2700
	Number of Cylinders / Displacement	No./c.c.	4/2369	4/3059	4/2434	4/2488	4/2237	4/2237	4/2491
	Fuel Consumption	g/kWh	292@2500	265@2450	239@2400	290@2300	245@2200	243@2200	273.1@2700
Transmission	Type		Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
	Number of Speeds (Forward/Reverse)		1/1	1/1	1/1	1/1	1/1	1/1	1/1

* 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. The Gasoline Engine can be equipped with a fuel converter and use LPG as a power source.

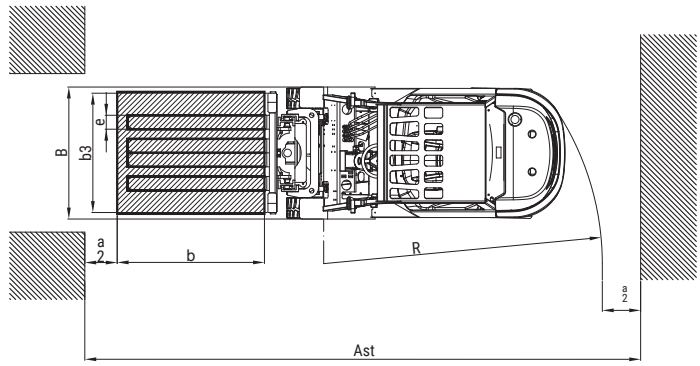
MAST SPECIFICATIONS

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	
													FWD	BWD	500 mm	20 in
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	deg.	deg.	kgs	lbs
PFD18 / PFG18																
2 Stage	3300	130	2208	86.9	4019	158.2	4520	178.0	0	0.0	0	0.0	6	12	1700	3745
	4000	158	2558	100.7	4719	185.8	5220	205.5	0	0.0	0	0.0	6	6	1650	3635
2 Stage (FFL)	3300	130	2208	86.9	3844	151.3	4520	178.0	1395	54.9	895	35.2	6	12	1700	3745
3 Stage (FFL)	4500	177	2118	83.4	5209	205.1	5710	224.8	1325	52.2	825	32.5	6	6	1500	3305
	4800	189	2218	87.3	5539	218.1	6040	237.8	1425	56.1	925	36.4	6	6	1500	3305
PFD20 / PFG20																
2 Stage	3300	130	2205	86.8	4019	158.2	4520	178.0	0	0.0	0	0.0	6	12	1950	4300
	4000	158	2555	100.6	4719	185.8	5220	205.5	0	0.0	0	0.0	6	6	1950	4300
2 Stage (FFL)	3300	130	2205	86.8	3842	151.3	4520	178.0	1080	42.5	945	37.2	6	12	1950	4300
3 Stage (FFL)	4500	177	2115	83.2	5032	198.1	5710	224.8	1138	44.8	845	33.3	6	6	1850	4080
	4800	189	2215	87.2	5362	211.1	6040	237.8	1238	48.7	945	37.2	6	6	1750	3855
	5000	197	2265	89.2	5490	216.1	6168	242.8	1280	50.4	995	39.2	6	6	1650	3635
PFD25 / PFG25																
2 Stage	3300	130	2205	86.8	4019	158.2	4520	178.0	0	0.0	0	0.0	6	12	2400	5290
	4000	158	2555	100.6	4719	185.8	5220	205.5	0	0.0	0	0.0	6	6	2350	5180
2 Stage (FFL)	3300	130	2205	86.8	3844	151.3	4520	178.0	1080	42.5	945	37.2	6	12	2400	5290
3 Stage (FFL)	4500	177	2115	83.3	5034	198.2	5710	224.8	1138	44.8	845	33.3	6	6	2200	4850
	4800	189	2215	87.2	5364	211.2	6040	237.8	1238	48.7	945	37.2	6	6	2150	4740
	5000	197	2265	89.2	5492	216.2	6168	242.8	1280	50.4	995	39.2	6	6	2050	4520
PFD30 / PFG30																
2 Stage	3300	130	2229	87.8	4023	158.4	4520	178.0	0	0.0	0	0.0	6	12	2900	6390
	4000	158	2579	101.5	4723	185.9	5220	205.5	0	0.0	0	0.0	6	6	2900	6390
2 Stage (FFL)	3300	130	2229	87.8	3938	155.0	4520	178.0	1080	42.5	945	37.2	6	12	2900	6390
3 Stage (FFL)	4500	177	2139	84.2	5128	201.9	5710	224.8	1138	44.8	845	33.3	6	6	2650	5840
	4800	189	2239	88.1	5458	214.9	6040	237.8	1238	48.7	945	37.2	6	6	2600	5730
	5000	197	2289	90.1	5586	219.9	6168	242.8	1280	50.4	995	39.2	6	6	2400	5290
PFD35 / PFG35																
2 Stage	3300	130	2229	87.8	4023	158.4	4520	178.0	0	0.0	0	0.0	6	12	3300	7275
	4000	158	2579	101.5	4723	185.9	5220	205.5	0	0.0	0	0.0	6	6	3300	7275
2 Stage (FFL)	3300	130	2229	87.8	4023	158.4	4520	178.0	1080	42.5	945	37.2	6	12	3300	7275
3 Stage (FFL)	4500	177	2139	84.2	5213	205.2	5710	224.8	1138	44.8	845	33.3	6	6	3000	6615
	4800	189	2239	88.1	5543	218.2	6040	237.8	1238	48.7	945	37.2	6	6	2800	6170
	5000	197	2289	90.1	5671	223.3	6168	242.8	1280	50.4	995	39.2	6	6	2700	5950
PFD36 / PFG36 (for Heavy Duty)																
2 Stage	3300	130	2229	87.8	4023	158.4	4520	178.0	0	0.0	0	0.0	6	12	3710	8180
	4000	158	2579	101.5	4723	185.9	5220	205.5	0	0.0	0	0.0	6	6	3650	8145
2 Stage (FFL)	3300	130	2229	87.8	3938	155.0	4520	178.0	1080	42.5	945	37.2	6	12	3710	8180
3 Stage (FFL)	4500	177	2139	84.2	5128	201.9	5710	224.8	1138	44.8	845	33.3	6	6	3400	7495
	4800	189	2239	88.1	5458	214.9	6040	237.8	1238	48.7	945	37.2	6	6	3300	7275

* 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 (200mm)