



**IC COUNTERBALANCE
TRUCK**



**9000~
12000 lbs
PNEUMATIC**

Tailift



TOYOTA INDUSTRIES GROUP

HEAVY DUTY

■ FEATURES

 **9000~12000 lbs**

Worksite ready, durable heavy-duty Z-Series forklifts.

Built to withstand your most demanding job site operations, Tailift's Z-Series High-Capacity Forklifts are made with the industry's highest-quality components and standards. Our powerful 4-valve hydraulic system, high-performance engines, and resilient heavy-duty German steel chassis keep operators working comfortably and efficiently. Now standard with suspension seats, easy entry assist features, and a safety light package designed to create accessible, ergonomic, and safe working conditions. Backed by respected engineering, over 50 years of innovation, and internationally renowned quality.

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!



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

Our improved seat design offers lasting ergonomic comfort, with an easily adjustable backrest and seat position, retractable seat belt, and document storage.



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

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

TRUCK SPECIFICATIONS



9000~12000 lbs

PFD 40

PFG 40

PFD 45

PFG 45

PFD 50

PFG 50

PFD 55

PFG 55

CHARACTERISTICS

Capacity	Q	130" Duplex	lbs	9000	9000	10000	10000	11000	11000	11880	11880
		189" Triplex	lbs	8140	8140	9020	9020	9240	9240	10670	10670
Load center	C	Distance	in	24	24	24	24	24	24	24	24
Power type		Diesel, LPG		Diesel	LPG	Diesel	LPG	Diesel	LPG	Diesel	LPG
Operation type		Pedestrian, Standing, Seated		Seated	Seated	Seated	Seated	Seated	Seated	Seated	Seated
Tire type		P=Pneumatic, S=Solid	F/R	S / S	S / S	S / S	S / S	S / S	S / S	S / S	S / S

DIMENSIONS

Lift at 2-stage mast	h3	Lift	in	189	189	189	189	189	189	189	189
	h5	Optional free lift	in	50.4	50.4	50.4	50.4	48.7	48.7	48.7	48.7
Load bracket	h8	Height of load bracket	in	43.9	43.9	43.9	43.9	45.6	45.6	45.6	45.6
Fork size		Thickness(s)×Width(e)×Length(l)	in	2.0 x 5.9 x 48		2.0 x 5.9 x 48		2.4 x 5.9 x 48		2.4 x 5.9 x 48	
Mast tilting angle		Forward(A)/Back(B)	deg	6° / 6°	6° / 6°	6° / 6°	6° / 6°	6° / 6°	6° / 6°	6° / 6°	6° / 6°
Overall dimensions	L2	Length to face of forks	in	126.6	126.6	126.6	126.6	135.2	135.2	135.2	135.2
	B	Total width	in	58.7 / 69.7	58.7 / 69.7	58.7 / 69.7	58.7 / 69.7	58.7 / 69.7	58.7 / 69.7	60.0 / 69.7	60.0 / 69.7
	h1	Mast height lowered	in	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
	h4	Mast height extended	in	233.7	233.7	233.7	233.7	235.4	235.4	235.4	235.4
	h6	Overhead guard height	in	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
	h7	Seat height	in	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
Turning radius	R		in	106.3	106.3	113.2	113.2	117.5	117.5	117.5	117.5
Load distance	X	From center of front axle	in	26	26	26	26	26.8	26.8	26.8	26.8
Aisle width	Ast	For load 800×1200 / 1000×1200	in	171.7 / 179.6	171.7 / 179.6	178.6 / 186.5	178.6 / 186.5	183.7 / 191.5	183.7 / 191.5	183.7 / 191.5	183.7 / 191.5
Service weight			lbs	16403	15784	16832	16213	17154	16535	17349	17217

CHASSIS

Solid pneumatic tire size		Number: front/rear (X: driven)		2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2	2X / 2
		Front		300-15	300-15	300-15	300-15	300-15	300-15	355/65-15	355/65-15
		Rear		7.00-12	7.00-12	7.00-12	7.00-12	7.00-12	7.00-12	700-12	700-12
Wheelbase	Y		in	78.7	78.7	80.7	80.7	86.6	86.6	86.6	86.6
Tread		Center of tires front	in	45.3 / 54.3	45.3 / 54.3	45.3 / 54.3	45.3 / 54.3	45.3 / 54.3	45.3 / 54.3	48.8 / 54.3	48.8 / 54.3
		Center of tires rear	in	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
Ground clearance	m1	At lowest point	in	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.1
	m2	Center of wheelbase	in	8.7	8.7	8.7	8.7	8.7	8.7	8.7	8.7
Service brake		Operation/control		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Parking brake		Operation/control		Hand	Hand	Hand	Hand	Hand	Hand	Hand	Hand

POWER

Battery	Type			EFB 130D31L-SMF		EFB 130D31L-SMF		EFB 130D31L-SMF		EFB 130D31L-SMF	
	Voltage	V		12	12	12	12	12	12	12	12
	Capacity	Ah/20hr		85	85	85	85	85	85	85	85
	Dimension (LxWxH)	in		12.0 x 6.8 x 8.0		12.0 x 6.8 x 8.0		12.0 x 6.8 x 8.0		12.0 x 6.8 x 8.0	
	Weight	lbs		48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
Engine	Manufacturer			KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA	KUBOTA
	Model			V3307	WG3800	V3307	WG3800	V3307	WG3800	V3307	WG3800
	Rated speed	rpm		2400	2600	2400	2600	2400	2600	2400	2600
	Rated Output	hp		73	92	73	92	73	92	73	92
	Cylinders no. /displacement	No./L		4 / 3.331	4 / 3.769	4 / 3.331	4 / 3.769	4 / 3.331	4 / 3.769	4 / 3.331	4 / 3.769
Transmission	Type			Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift	Powershift
	Stage Fwd./Rev.	no.		2 / 1	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1	2 / 1
Service Pressure		kgf/cm ²		190	190	190	190	190	190	200	200

* This sheet is for reference only & products and specifications are subject to improvement and change without prior notices.

* All values shown are for standard lift truck with standard equipment. If the truck is supplied with options, values may change.

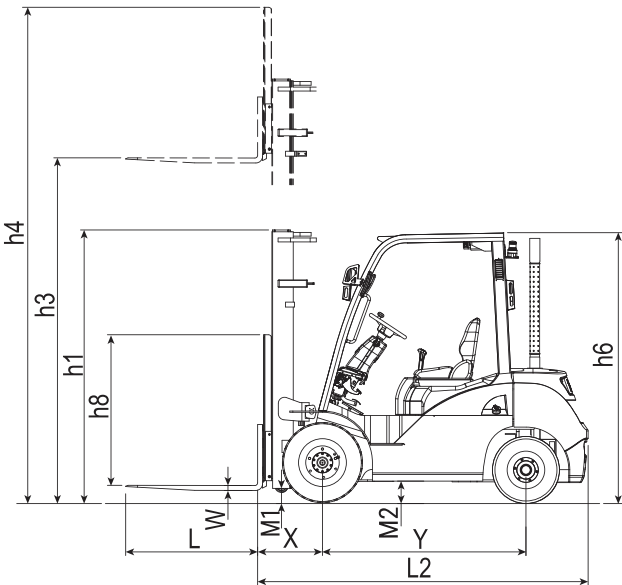
* All values given may vary due to the motor and system tolerances and represent nominal values obtained under typical operating conditions.

* The service weight of the lift truck will vary with parts upgrades or product improvements/revisions.

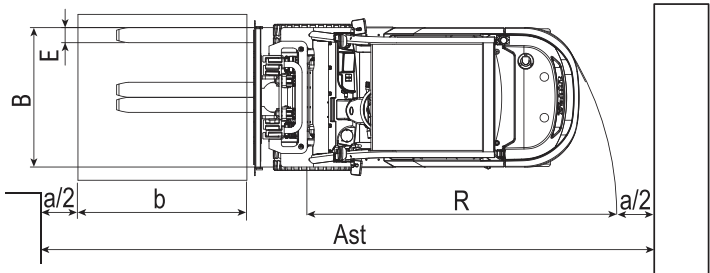
MAST SPECIFICATIONS

Mast Type	Mast Height (Max. Fork Height) in (mm)	Overall Height			Free Lift		Tilt Range		Load Capacity
		Lowered in (mm)	Extended		Without STD Backrest in (mm)	With STD Backrest in (mm)	FWD deg	BWD deg	Load Center at 24 in (600mm)
			Without STD Backrest in (mm)	With STD Backrest in (mm)					With Sideshift
									Single Tires lbs (kgs)
PFD40 / PFG40									
2 Stage	130 (3300)	92.7 (2355)	162.0 (4114)	173.9 (4416)	0 (0)	0 (0)	6	12	9000 (4090)
	157 (4000)	110.4 (2805)	189.5 (4814)	201.4 (5116)	0 (0)	0 (0)	6	6	8800 (4000)
2 Stage (FFL)	130 (3300)	92.7 (2355)	154.2 (3917)	173.9 (4416)	61.1 (1553)	48.8 (1239)	6	12	9000 (4090)
3 Stage (FFL)	157 (4000)	80.7 (2050)	181.5 (4609)	201.1 (5108)	49.1 (1248)	36.8 (934)	6	6	8800 (4000)
	177 (4500)	88.5 (2249)	201.1 (5107)	220.7 (5606)	57.0 (1447)	44.6 (1133)	6	6	8360 (3800)
	189 (4800)	94.5 (2395)	214.1 (5437)	233.7 (5936)	62.7 (1593)	50.4 (1279)	6	6	8140 (3700)
PFD45 / PFG45									
2 Stage	130 (3300)	92.7 (2355)	162.0 (4114)	173.9 (4416)	0 (0)	0 (0)	6	12	10000 (4545)
	157 (4000)	110.4 (2805)	189.5 (4814)	201.4 (5116)	0 (0)	0 (0)	6	6	9900 (4500)
2 Stage (FFL)	130 (3300)	92.7 (2355)	154.2 (3917)	173.9 (4416)	61.1 (1553)	48.8 (1239)	6	12	10000 (4545)
3 Stage (FFL)	157 (4000)	80.7 (2050)	181.5 (4609)	201.1 (5108)	49.1 (1248)	36.8 (934)	6	6	9680 (4400)
	177 (4500)	88.5 (2249)	201.1 (5107)	220.7 (5606)	57.0 (1447)	44.6 (1133)	6	6	9240 (4200)
	189 (4800)	94.5 (2395)	214.1 (5437)	233.7 (5936)	62.7 (1593)	50.4 (1279)	6	6	9020 (4100)
PFD50 / PFG50									
2 Stage	130 (3300)	92.7 (2355)	168.4 (4278)	175.5 (4458)	0 (0)	0 (0)	6	12	11000 (5000)
	157 (4000)	110.4 (2805)	196.0 (4978)	203.1 (5158)	0 (0)	0 (0)	6	6	10780 (4900)
2 Stage (FFL)	130 (3300)	92.7 (2355)	168.4 (4278)	175.5 (4458)	54.7 (1389)	47.1 (1197)	6	12	11000 (5000)
3 Stage (FFL)	157 (4000)	80.7 (2050)	195.7 (4970)	202.8 (5150)	42.7 (1084)	35.1 (892)	6	6	10560 (4800)
	177 (4500)	88.5 (2249)	215.3 (5468)	222.4 (5648)	50.5 (1283)	43.0 (1091)	6	6	9460 (4300)
	189 (4800)	94.5 (2395)	228.3 (5798)	235.4 (5978)	56.3 (1429)	48.7 (1237)	6	6	9240 (4200)
PFD55 / PFG55									
2 Stage	130 (3300)	92.7 (2355)	168.4 (4277)	175.5 (4458)	0 (0)	0 (0)	6	12	11880 (5400)
	157 (4000)	110.4 (2805)	195.9 (4977)	203.1 (5158)	0 (0)	0 (0)	6	6	11370 (5170)
2 Stage (FFL)	130 (3300)	92.7 (2355)	168.4 (4277)	175.5 (4458)	54.7 (1389)	47.1 (1197)	6	12	11880 (5400)
3 Stage (FFL)	157 (4000)	80.7 (2050)	195.6 (4969)	202.8 (5150)	42.7 (1084)	35.1 (892)	6	6	11090 (5040)
	177 (4500)	88.5 (2249)	215.2 (5467)	222.4 (5648)	50.5 (1283)	43.0 (1091)	6	6	10740 (4880)
	189 (4800)	94.3 (2395)	228.2 (5797)	235.4 (5978)	56.3 (1429)	48.7 (1237)	6	6	10670 (4850)

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





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