

PFG36C-BCS (Box Car Special)

Your Ultimate Solution for Efficiency and Safety in Tough Environments

- ▶ 8,000-lb Capacity for heavy lifting
- ▶ Transmission System for precise, long-lasting performance
- ▶ Heavy-Duty Rear Axle with a 10% larger shaft and 80° steering angle
- ▶ Wide View Mast & Low Front Console for 35% better visibility
- ▶ Operator Comfort with spacious workspace, ergonomic seat and enlarged entry step
- ▶ LED Lighting & Visual Alerts with 510 lumens and blue/red LED lights



Key Features of the PFG36C-BCS Forklift:



Transmission System

- ▶ **Durability & Precision:** A backbone structure transmission system with Japanese-made oil seals and bearings ensures smooth power conversion and long-lasting performance.
- ▶ **Electronic Control Lever:** Effortlessly operates without disrupting the steering wheel control.



Heavy-Duty Rear Axle

- ▶ **Robust Design:** Tailift made rear axle with a 10% enlarged shaft to increase the strength and durability for heavy-duty usage.
- ▶ **Wider Steering Angle:** The axle provides wider steering angle to 80 degree and reduces to smaller turning radius.



Steering Wheel & Column

- ▶ **Smaller Steering Wheel:** A smaller $\varphi 300\text{mm}$ steering wheel is easy to operate and minimize the operator's arm fatigue during long hours operation.
- ▶ **Adjustable Steering Column:** Compact steering column panel with a range of up to 14 degrees to accommodate ergonomic needs for the driver.



Wide View Mast & Lower Front Console Design

- ▶ **Increased Visibility:** Hidden piping system and reduced mast obstructions provide 35% better visibility, improving safety when driving and transporting goods.
- ▶ **Lower Front Console Design:** A 47° angle of visibility ensures enhanced safety by improving the operator's field of view of the forklift and surrounding area.

Operator Comfort & Accessibility:



Spacious workspace and Enlarged Entry Step

- ▶ *Ergonomic Pedal Design:* Increased workspace reach to 290mm for better foot comfort.
- ▶ *Wide Entry Space:* Enlarged anti-slip entry step (180mmx125mm) makes it safer to get on and off the forklifts.



Comfortable Seat Design

- ▶ *Suspension seat:* High-efficiency vibration absorbers and ergonomically designed to relieve the pressure from the back.
- ▶ *Comfort and safety:* Added comfort and safety features, including seat belt alarm and double-side armrests.

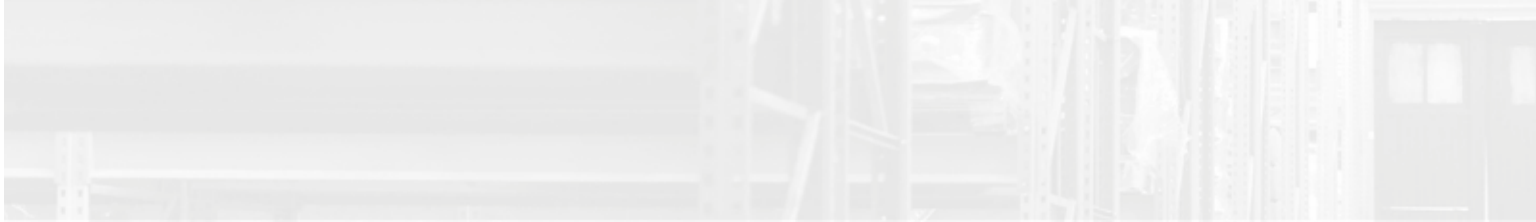
Durable Structure & Advanced Systems:



Integrated Chassis & Engine Hood

- ▶ *Heavy duty Frame:* One-piece designed withstand harsh environments and give more protection from falling loads..
- ▶ *Easy Maintenance Engine Hood:* Withstands over 551LBS (250KGS) of lateral pull force and offers a 70° opening angle for quick repairs.





Safety & Protection



OPS System (Operator Presence Sensing)

- *Seat switch:* limits unintended operation when the operator is absent.
- *Neutral Gear & Mast Drop Prevention:* Additional safeguards prevent sudden mast drops when the driver is away from the seat.

Ergonomic Hand Grips & Advanced Lighting:



Car Handle & Rear Handgrip

- *Oversized Handgrip:* Designed for drivers of all heights, making entry and exit easier.
- *Rear Handgrip:* Provides extra support while reversing, equipped with a horn for added safety.



LED Lighting

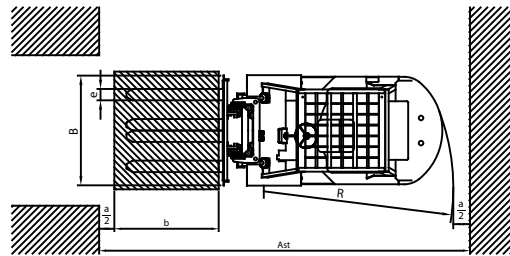
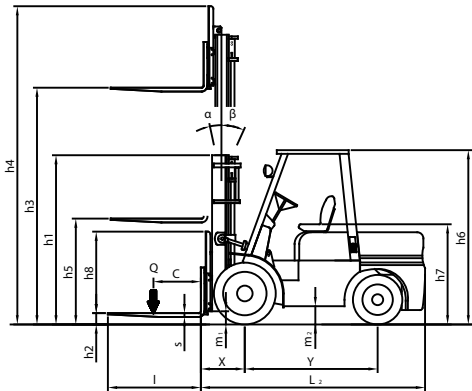
- *High-Performance Led Headlights:* Bright illumination (510 lumens), with 10 times longer lifespan compared to halogen lamp
- *Visual alert:* Blue or red LED light adds a visual alert of the forklift's presence

Truck Specifications

CHARACTERISTICS					
Manufacturer				-	Tailift
Series				-	9L PLUS II
Model				-	PFG36C-BCS
Capacity	Q	130" Duplex Mast w/o Sideshift	lb	-	8000
		189" Triplex Mast w/ Sideshift	lb	-	6600
Load Center	C	Distance	in	-	24
Power Type		Diesel, Gasoline, LPG, Electric		-	LPG
Operation type		Pedestrian, Stand, Sit	in	-	Sit
Tire Type		P=Pneumatic,S=Solide,C=Cushion	front/rear	-	C/C
Wheels (X:Driven)		Number	front/rear	-	2X/2
DIMENSIONS					
Lift at 2-stage Mast	h3	Lift	in	±1%	189
		Optional free lift	in	±1%	29
Load Bracket	h8	Height of load bracket	in	±1%	46
Fork Size		Thickness(s)×Width(e)×Length(l)	in	-	1.6x4.8x42
Mast Tilting Angle		Forward(α)/Back(β)	deg	±0.5/±1	5° / 6°
Overall Dimentions	L2	Length to Face of Forks	in	±1%	98.5
		B	Total Width	in	±1%
	h1	Mast Hight Lowered	in	+5	86.8
				-30	
	h4	Mast Height Extened	in	+5	237.8
				-30	
	h6	Overhead Guard Height	in	±1.5%	85.3
	h7	Seat Height	in	±3%	39.6
b3	Fork Carriage Width	in	±1%	45.3	
Turning Radius	R		in	±3%	83.7
Load Distance	X	From Center of Front Axle	in	±1%	19.9
Aisle Width	Ast	For Load 800×1200/1000×1200	in	±1%	143/150.9
WEIGHT					
Service Weight			lb	±5%	13222
CHASSIS					
Tire Size	Number: Front/Rear			-	2/2
		Front	in	-	22x9x16
		Rear	in	-	18x6x12-1/8
Wheelbase	Y		in	±5%	61.8
Tread		Center of Tires Front (std/dual)	in	±5%	41.3
		Center of Tires Rear	in	±5%	42.8
Ground Clearance	m1	At Lowest Point	in	±8%	3.2
	m2	Center of Wheelbase	in	±5%	3.1
Service Brake		Operation/Control		-	Hydraulic
Parking Brake		Operation/Control		-	Hand

POWER

Battery	Type		-	11D31R
	Voltage	V	-	12
	Capacity	Ah/5hr	-	64
	Dimension	in	-	12x6.8x8
	Weight	lb	-	48.4
Engine	Manufacturer		-	KUBOTA
	Model		-	WG3800
	Rated Speed	rpm	-	2600
	Rated Output	KW	-	69
	Cylinders No. /Displacement	NO./CC	-	4/3331
	Fuel Consumption	g/kw.h	-	267
Transmission	Type		-	Powershift
Service Pressure		kg/cm ²	-	190



$Ast = X + R + b + a$
 $b = \text{Load Length}$
 $a = \text{Clearance (200mm)}$

** This is only for reference and not subject to notice in advance if there is any modification.*

Mast Specifications

Mast Type	Mast Height (Max. Fork Height)		Lowered Height		Extended Height				Free Lift				Tilt Angle		Load Capacity	
									Without STD Backrest		With STD Backrest		Without STD Backrest		With STD Backrest	
	With Sideshift		STD		kg		lb									
	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	deg	deg	kg	lb
PFG36C-BCS																
Two Stage	3300	129.9	2200	86.6	3869	152.3	4370	172	0	0	0	0	5	6	3500	7700
	4000	157.5	2550	100.4	4219	166.1	4720	185.8	0	0	0	0	5	6	3350	7400
Two Stage (FFL)	3300	129.9	2200	86.6	3869	152.3	4370	172	1441	56.7	855	33.7	5	6	3500	7700
Three Stage	4500	177.2	2100	82.7	5439	214.1	5940	233.9	1477	58.1	841	33.1	5	6	3150	6930
	4800	189.0	2200	86.6	5539	218.1	6040	237.8	1477	58.1	891	35.1	5	6	3000	6600

Why Choose PFG36C-BCS

- ▶ **Enhanced Durability:** Built with premium materials to withstand tough environments.
- ▶ **Increased Operator Comfort:** Ergonomic design for reduced fatigue during long shifts.
- ▶ **Improved Safety:** Advanced safety features like the OPS system, enhanced lighting, and warning range lights.

Contact Us for More Information

Get in touch with us for more information about the PFG36C-BCS Box Car Special Forklift.



Tailift



TOYOTA INDUSTRIES GROUP



www.tailift-usa.com