



TOYOTA INDUSTRIES GROUP

PFG36C-BCS/PFG45C-BCS/PFG55C-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:



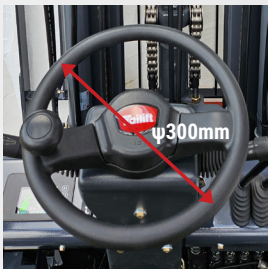
Transmission System

- **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 φ300mm 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.





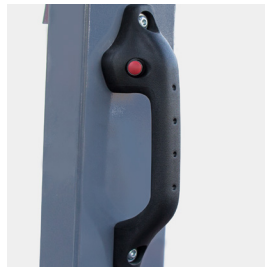
Safety & Protection



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	Tailift	Tailift	
Series				-	9L PLUS II	9L PLUS II	9L PLUS II	
Model				-	PFG36C-BCS	PFG45C-BCS	PFG55C-BCS	
Capacity	Q	130" Duplex Mast w/o Sideshift	lb	-	8000	10000	12000	
		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			
Speeds		Travel Speed	with load	mph	±10%	11.8	10.6	10.6
			without load	mph	±10%	12.5	10	10
		Lift Speed	with load	fph	±5%	17.8	15.6	15.6
			without load	fph	±5%	19.6	21.2	21.2
DIMENSIONS								
Lift at 2-stage Mast	h3	Lift	in	±1%	189			
	h5	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%	97.2	104.7	113.4	
	B	Total Width	in	±1%	50	55.9	55.9	
	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	87.2	87.2	
	h7	Seat Height	in	±3%	39.6			
b3	Fork Carriage Width	in	±1%	45.3				
Turning Radius	R		in	±3%	83.7	80.3	89	
Load Distance	X	From Center of Front Axle	in	±1%	19.9			
Aisle Width	Ast	For Load 800×1200/1000x1200	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			

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	FWD	BWD	600mm/24(in) Load Centre
									With Sideshift
									STD
	in	in	in	in	in	in	deg	deg	lb
PFG36C-BCS									
Two Stage	129.9	86.6	152.3	172	0	0	5	6	7700
	157.5	100.4	166.1	185.8	0	0	5	6	7400
Two Stage (FFL)	129.9	86.6	152.3	172	56.7	33.7	5	6	7700
Three Stage	177.2	82.7	214.1	233.9	58.1	33.1	5	6	6930
	189.0	86.6	218.1	237.8	58.1	35.1	5	6	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



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www.tailift-usa.com