

# Box Car Special

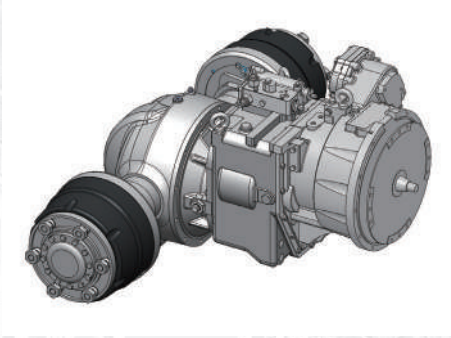
**PFG36C-BCS/PFG45C-BCS/PFG55C-BCS**

Your Ultimate Solution for Efficiency and Safety in Tight Environments

- ▶ 8,000-lb Capacity for heavy lifting
- ▶ A backbone structure 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 Box Car Special Forklift:



## ■ Transmission System

- Durability & Precision: A backbone structure transmission system 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 Ø12" steering wheel is easy to operate and minimize the operator's arm fatigue during long hours operation steering knob for ease of use.
- 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 11½" for better foot comfort.
- Wide Entry Space: Enlarged anti-slip entry step (7"x5") makes it safer to get on and off the forklifts.

## ■ Comfortable Seat Design

- Suspension seat: High-efficiency vibration absorbers and ergonomically designed to maximize comfort.
- 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

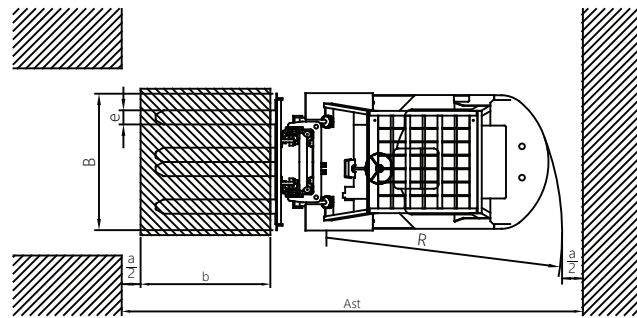
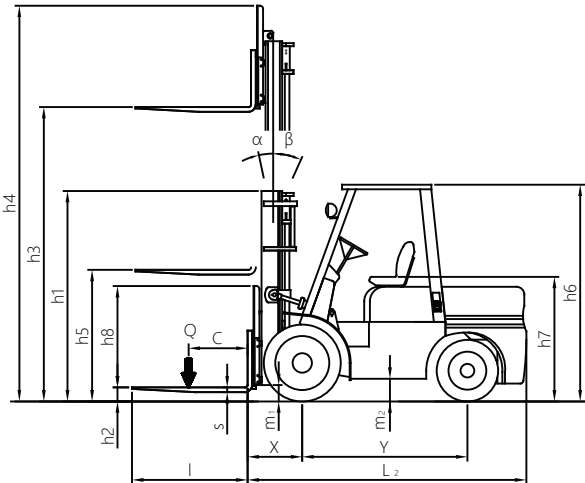


# Truck Specifications

PFG36C-BCS PFG45C-BCS PFG55C-BCS

CHARACTERISTICS								
Capacity	Q	130" Duplex Mast w/o Sideshift		lb	-	8000	10000	12000
		189" Triplex Mast w/ Sideshift		lb	-	6600	9100	10000
Load Center	C	Distance		in	-	24	24	24
Power Type		Diesel 、 Gasoline 、 LPG 、 Electric			-	LPG	LPG	LPG
Operation type		Pedestrian 、 Stand 、 Sit			-	Sit	Sit	Sit
Tire Type		P=Pneumatic,S=Solide,C=Cushion		front/rear	-	C/C	C/C	C/C
Wheels (X:Driven)		Number		front/rear	-	2X/2	2X/2	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	fpm	±5%	17.8	15.6	15.6
			without load	fpm	±5%	19.6	21.2	21.2
DIMENSIONS								
Lift at 3-stage Mast	h3	Lift		in	±1%	189	189	189
	h5	Optional free lift		in	±1%	29	43	41
Load Bracket	h8	Height of load bracket		in	±1%	46	46.5	46.5
Fork Size		Thickness(s)×Width(e)×Length(l)		in	-	1.6x4.8x42	1.6x4.8x48	1.6x4.8x48
Mast Tilting Angle		Forward(α)/Back(β)		deg	±0.5/±1	5° / 6°	5° / 6°	5° / 6°
Overall Dimentions	L2	Length to Face of Forks		in	±1%	98.5	106	115
	B	Total Width		in	±1%	50	56.1	56.1
	h1	Mast Hight Lowered	in	+5	86.8	91.7	91.7	
				-30				
	h4	Mast Height Extened	in	+5	237.8	235.6	235.6	
				-30				
	h6	Overhead Guard Height		in	±1.5%	85.3	87.2	87.2
	h7	Seat Height		in	±3%	39.6	46.7	46.7
b3	Fork Carriage Width		in	±1%	45.3	51.6	51.6	
Turning Radius	R			in	±3%	83.7	80.3	89.4
Load Distance	X	From Center of Front Axle		in	±1%	22.4	21.7	21.7
Aisle Width	Ast	For Load 800×1200/1000x1200		in	±1%	145.6/153.4	141.3/149.2	150/157.8
WEIGHT								
Service Weight				lb	±5%	14214	18590	19345
CHASSIS								
Tire Size		Number : Front/Rear			-	2/2	2/2	2/2
		Front		in	-	22x9x16	22x12x16	22x12x16
		Rear		in	-	18x6x12-1/8	18x8x12-1/8	18x8x12-1/8
Wheelbase	Y			in	±5%	61.8	64	72.6
Tread		Center of Tires Front (std/dual)		in	±5%	41.3	56.1	56.1
		Center of Tires Rear		in	±5%	42.8	54.7	54.7
Ground Clearance	m1	At Lowest Point		in	±8%	3.2	3.3	3.3
	m2	Center of Wheelbase		in	±5%	3.1	5.0	5.0
Service Brake		Operation/Control			-	Hydraulic	Hydraulic	Hydraulic
Parking Brake		Operation/Control			-	Hand	Hand	Hand

POWER							
Battery	Type		-		11D31R	11D31L	11D31R
	Voltage	V	-		12	12	12
	Capacity	Ah/5hr	-		64	85	85
	Dimension	in	-		12x6.8x8	12x6.8x8	12x6.8x8
	Weight	lb	-		48.4		48.4
Engine	Manufacturer		-		KUBOTA	KUBOTA	KUBOTA
	Model		-		WG 3800-L-E5C-TFT-1	WG 3800-L-E5C-TFT-1	WG 3800-L-E5C-TFT-1
	Rated Speed	rpm	-		2500	2500	2500
	Rated Output	KW	-		69	69	69
	Cylinders No. /Displacement	NO./CC	-		4/3769	4/3769	4/3769
Transmission	Fuel Consumption	g/kw.h	-		267		
	Type		-		Powershift	Powershift	Powershift
Service Pressure		lb/cm <sup>2</sup>	-		418	418	418



$$Ast = X + R + b + a$$

b = Load Length  
a = 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	FWD	BWD	600mm/24(in) Load Centre
									With Sideshift
	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
PFG45C-BCS									
Two Stage	129.9	89.9	150.7	171.0	0.0	0.0	5	6	9240
	157.5	107.6	178.3	198.6	0.0	0.0	5	6	9240
Two Stage (FFL)	129.9	89.9	150.7	171.0	61.1	48.8	5	6	9240
Three Stage	177.2	86.3	198.1	218.5	57.0	44.6	5	6	9240
	189.0	92.0	211.1	231.5	62.7	50.4	5	6	9240
PFG55C-BCS									
Two Stage	129.9	92.7	157.8	172.7	0.0	0.0	5	6	11000
	157.5	110.4	185.4	200.2	0.0	0.0	5	6	11000
Two Stage (FFL)	129.9	92.7	157.8	172.7	54.7	47.1	5	6	11000
Three Stage	177.2	88.5	205.2	220.1	50.5	43.0	5	6	11000
	189.0	94.3	218.2	233.1	56.3	48.7	5	6	11000

## Why Choose PFG36C-BCS

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

## Contact Us for More Information

- Call one of our professionals for more information about the PFG36C-BCS Box Car Special Forklift.





**Tailift**  TOYOTA INDUSTRIES GROUP

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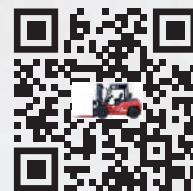
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