

# GC POWER



I.C. FORKLIFT TRUCKS

## 1.5-3.5T



# FD15/FG15 FD/FG18 FD/FG20 FD/FG25 FD/FG30 FD/FG35



Scientifically Designed  
Ergonomic Controlling System



Superior Operating System



Comfortable German Grammar  
Seat



Built-in Tilt Cylinder



Footboard & Footboard Pad



## ➤ SUPERIOR OPERATING SYSTEM |

- Controlling levers are installed on the right of the engine hood, which greatly reduces driver's fatigue.
- Optional German & China suspension seat increases the comfortability of the driver. After a series of innovation, operating room becomes more spacious.
  - 1、 Built-in tilt cylinder makes driver's leg moving space wider.
  - 2、 There is a 20mm increase for the height between the steering wheel & the seat. Also, there is a 20mm increase for the distance between brake/clutch pedal & engine hood.
  - 3、 There is a distance of 2177mm between the overhead guard & the pedal, which offers enough comfortable room for the operator.
- Strengthened Durability
  - 1、 Large-sized pedal and pedal pad are molded. The surrounding shape of the pedal is regular. With edge-trimming mould, the punched strengthening ribs reduce vibration to the utmost and ensure the strength.
  - 2、 The pedal pad is made of NBR + PVC composite materials with strengthened thickness.

## ➤ TRANSMISSION |

- Hydraulic transmission, with electronic forward/reverse lever, enhances the convenience of the operation with traditional advantages such as stability and strength remain.
- Key components such as solenoid valve, control valve, friction plate, oil pump and clutch assembly are all imported from Taiwan with longer life cycle.

# FD15/FG15 FD/FG18 FD/FG20 FD/FG25 FD/FG30 FD/FG35

## ➤ COUNTERWEIGHT

- Most fashionable counterweight: prismatic shape, decorating line, frame & streamlined engine hood design
- There is an increase of weight, which enhances the longitudinal stability.
- Left & right exhaust holes offer better dissipation function. Newly added fence increases interior protection.

## ➤ DASHBOARD

- The dashboard is new style LCD product.

## ➤ MAST

- We adopt new type of mast structure, with elegant shape, reliable strength and convenient repair.
- German HOSCH profile bar and domestic profile bar can satisfy the demand from different customers



Rear Lamp (Optional Electric Warning Lamp)



Self-developed Transmission



LCD Dashboard



New Mast System



Most Fashionable Counterweight



## ➤ BODY FRMAE & APPERANCE I

- Harmonious overall model with impressive arc & extent
- Prismatic design for the counterweight & engine hood
- Molded radiator cover connects the counterweight and the engine hood harmoniously
- Streamlined decorating board is installed under the engine hood
- Elegant molded pedal with strong durability
- Closed weatherboard made of plastic injection parts increases the taste of the forklift
- Integrated overhead guard & body frame ensure minimum vibration
- A combination of green & grey colors brings a comfortable & impressive result. The paint is imported from Germany with more excellent brightness, adhesion & durability.



# JAPAN ENGINE 4TNE92/4TNE98/K21/K25/C240 /4JG2 CHINA ENGINE 493

## ENGINE I

JAPANESE ENGINE: 4TNE92,  
4TNE98, K21, K25, C240, 4JG2  
CHINESE ENGINE: 493



**YANMAR 4TNE92**  
**DIESEL ENGINE 1.5T-3.0T**  
Capacity: 2659 C.C.  
Rated Power: 47.2ps/2450rpm  
Maximum Torque: 13.2kg-m/1800rpm



**YANMAR 4TNE98**  
**DIESEL ENGINE 2.5T-4.0T**  
Capacity: 3319 C.C.  
Rated Power: 64.4ps/2450rpm  
Maximum Torque: 21kg-m/1800rpm



**NISSAN K21 GASOLINE ENGINE**  
**1.5T-3.0T**  
Capacity: 2065 C.C.  
Rated Power: 43.5ps/2300  
Maximum Torque: 14.7kg-m/1600rpm



**NISSAN K25 GASOLINE ENGINE**  
**1.5T-3.0T**  
Capacity: 2488 C.C.  
Rated Power: 50.9ps/2300rpm  
Maximum Torque: 17.8kg-m/1600rpm



**ISUZU C240, DIESEL ENGINE 1.5T-3.0T**  
Capacity: 2369 C.C.  
Rated Power: 50ps/2500rpm  
Maximum Torque: 14.2kg-m/1800rpm



**ISUZU 4JG2, DIESEL ENGINE 2.0T-3.0T**  
Capacity: 3059 C.C.  
Rated Power: 61ps/2450rpm  
Maximum Torque: 19kg-m/1800rpm



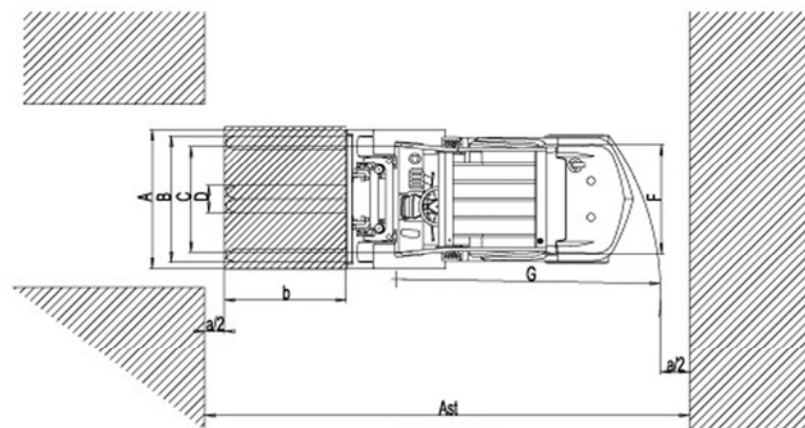
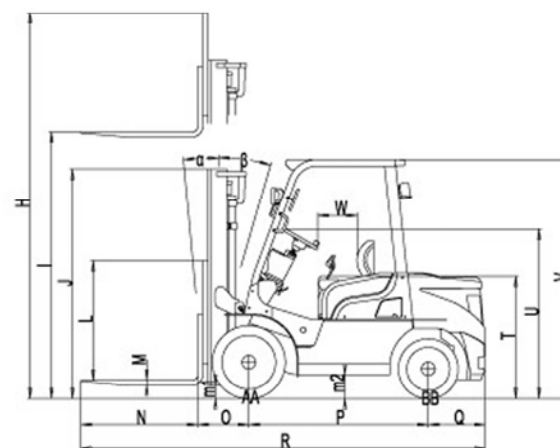
**CHINA 493 ENGINE 2.0T-3.0T**  
(Former ISUZU 4JB1 Made in China)  
Capacity: 2771 C.C.  
Rated Power: 57ps/2600rpm  
Maximum Torque: 16.5kg-m/1800rpm

# SPECIFICATION & PARAMETERS

Characteristic	1 Manufacturer		GC POWER		GC POWER		GC POWER		GC POWER	
	2 Model		FD15	FG15	FD18	FG18	FD20	FG20	FD25	FG25
Dimensions	3 Capacity		Kg		1500		1800		2000	
	4 Load Center		mm		500		500		500	
Performance	5 Power type		Diesel Gasoline		Diesel Gasoline		Diesel Gasoline		Diesel Gasoline	
	6 Control type		Sit		Sit		Sit		Sit	
Chassis	7 Tyres P-Pneumatic		F/R		P / P		P / P		P / P	
	8 Wheels(x drive wheel)		F/R		2 x 2		2 x 2		2 x 2	
Drive & Transmission	9 Max.fork height		I		mm		3000		3000	
	10 Fork size (length x width x thickness)		mm		1070 x 100 x 35		1070 x 100 x 35		1070 x 122 x 40	
Performance	11 Mast tilt angle(F/R)		$\alpha - \beta$		Deg		6° -12°		6° -12°	
	12 Rear load distance		Q		mm		490		465	
Chassis	13 Fork distance, outer		B		mm		920		1024	
	14 Overall width		A		mm		1065		1151	
Performance	15 Mast height		J		mm		2100		2100	
	16 Overhead guard height		V		mm		2147		2177	
Chassis	17 Min. turning radius(outside)		G		mm		1980		2190	
	18 Max. height		H		mm		4220		4220	
Performance	19 Front load distance		O		mm		425		465	
	20 Front carriage height		L		mm		1220		1220	
Chassis	21 Overall length		R		mm		3335		3550	
	22 Drive speed(Load/Unload)		Km/h		16 / 17		17 / 18		17/18	
Performance	23 Speed		Lift speed (Load/Unoad)		Mm/s		460 / 560		510 / 600	
	24 Lowering speed (Load/unload)		Mm/s		450 / 440		450 / 440		470 / 440	
Chassis	25 Max. traction power( Load)		N		14200		14940		14900	
	26 Max.gradeability (Load/Unload)		%		26/20		26/20		23/20	
Performance	27 Service weight		Kg		3000		2920		3480	
	28 Number (F/R)		2 / 2		2 / 2		2 / 2		2 / 2	
Chassis	29 Tyres		Front tyre size AA		6.50-10-10P.R.		6.50-10-10P.R.		7.00-12-12P.R.	
	30 Rear tyre size AB		5.00-8-8P.R.		5.00-8-8P.R.		5.00-8-8P.R.		6.00-9-10P.R.	
Performance	31 Wheelbase		P		mm		1350		1550	
	32 Tread		Lowest point C/F		mm/mm		885 / 900		970 / 985	
Chassis	33 Ground		Center of wheelbast m1		mm		120		120	
	34 clearance		m2		mm		180		195	
Drive & Transmission	35 Service brake type		Pedal/ Hydraulic		Pedal/ Hydraulic		Pedal/ Hydraulic		Pedal/ Hydraulic	
	36 Parking brake type		Hand/ Mechanical		Hand/ Mechanical		Hand/ Mechanical		Hand/ Mechanical	
Performance	37 Manufacturer		YANMAR		NISSAN		YANMAR		NISSAN	
	38 Engine		Model		4TNE92		K21		4TNE98	
Chassis	39 Rated power		kw		34.7		32		47.4	
	40 Rated rotation speed		rpm		2450		2300		2450	
Performance	41 Cylinder number/Displacement		cc		4 / 2659		4 / 2065		4 / 2659	
	42 Transmission type		Hydraulic/Manual		Hydraulic/Manual		Hydraulic/Manual		Hydraulic/Manual	
Chassis	43 Servo pressure		kg.cm		175		175		185	

GC POWER		GC POWER	
FD30	FG30	FD35	FG35
3000		3500	
500		500	
Diesel	Gasoline	Diesel	Gasoline
Sit		Sit	
P / P		P / P	
2 x 2		2 x 2	
3000		3000	
1070 x 122 x 50		1070 x 122 x 50	
6° -12°		6° -12°	
500		500	
1150		1150	
1275		1275	
2100		2100	
2202		2202	
2435		2660	
4220		4220	
480		480	
1220		1220	
3700		3900	
18/19	18/19	18/19	18/19
460/540	430/540	410/540	400/500
450/420	450/420	450/420	450/420
18300	18000	17900	17700
23/20	21/20	21/20	21/20
4120	4120	4420	4420
2 / 2		2 / 2	
28 x 9-15-12P.R.		28 x 9-15-12P.R.	
6.50-10-10P.R.		6.50-10-10P.R.	
1650		1850	
1055 / 985		1055 / 985	
120		120	
220		220	
Pedal/ Hydraulic		Pedal/ Hydraulic	
Hand/ Mechanical		Hand/ Mechanical	
YANMAR	NISSAN	YANMAR	NISSAN
4TNE98	K25	4TNE98	K25
47.4	37.4	47.4	37.4
2450	2300	2450	2300
4/3319	4/2488	4/3319	4/2488
Hydraulic/Manual		Hydraulic/Manual	
185		185	

\*Manufacturer reserves right to modify certain data without prior notification



Ast=O+G+b+a  
b = Load Length  
a = Clearance (200mm)

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