

# FORKLIFT

ELECTRIC - DIESEL - LPG/GASOLINE

# HADI

MOHAMMAD HADI AL JOHNI TRADING CO.

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MODEL

**FB-FG-FD**

CAPACITY

**2-12 TONS**

LIFT HEIGHT

**3000-10000 mm**

FORK LENGTH

**1070-1520mm**

MAST HIGHT

**1-3 Stage**

MAST TILT

**6/12 ANGLE**

SPEED

**12-30km/h**

TRANSMISSION

**Automatic**



## LTHADI

# ELECTRIC

LITHIUM 2 TONS

# LTHADI

MODEL  
**FB20**

LIFT HEIGHT  
**4500 mm**

TRANSMISSION  
**Automatic**

FORK LENGTH  
**1070mm**

MAST  
**3 Stage**

SPEED  
**14km/h**



ADJUSTABLE FORK

FORK SIDE SHIFT POSITION

**HADI**



## BATTERY

Standard equipped with Heding high quality lithium battery. Long service life, five-year's warranty, zero pollution, maintenance free. 1.5-2 hours for full charge, more suitable for multi-shift work.

## DISPLAY

The large LCD screen can directly display the operating state of the vehicle. It also has the function of fault display and maloperation alarm.

## GEAR

LMH three gear mode. Customers can select different mode based on their working condition to achieve higher efficiency. Optional steering speed control function helps to reduce the risk of machine rolling.

## EASE

The nearly 90° large opening angle of the battery cover and the flexibly dismantled side cover facilitate the battery installing job and line maintenance job greatly.

## DESIGN

The four-point design provides greater stability, enhancing operational safety. The electric drive system responds quickly and is easy to maneuver, making it suitable for operations in narrow spaces.

SPECIFICATIONS	UNITS	PARAMETERS
Rated Capacity	kg	2000
Load Center Distance	mm	500
Power Type		Electric
Wheelbase	mm	1500
Wheel Number(Front/Rear)		2×/2
Front Tread	mm	970
Rear Tread	mm	950
Tire (Front)		7.00-12-12PR
Tire (Rear)		18X7-8PR
Front Overhang	mm	458
Mast Tilting Angle, Front/Rear		6/12
Height With Mast Retraction	mm	1995
Free Lifting Height	mm	150
Max. Lifting Height	mm	3000
Max. Height After Lifting	mm	4045
Overall Guard Height	mm	2098
Fork Size: Length X Width X Thickness	mm	1070×100×40
Overall Length(Fork Excluded)	mm	2353
Overall Width	mm	1170
Turning Radius	mm	2172
Ground Clearance Of Mast	mm	110
Ground Clearance Of Wheelbase Center(Loaded)	mm	105
Right Angle Stacking Aisle Width (Pallet 1000×1000Mm), Clearance 200Mm	mm	4040
Lateral Fork Adjustment Max./Min	mm	1038/200
Travelling Speed (Loaded/Unloaded)	km/h	18/18
Lifting Speed (Loaded/Unloaded)	mm/s	320/450
Lowering Speed	mm/s	<600
Gradeability (Loaded)	%	18
Self Weight	Kg	4214
Battery Voltage /Capacity	V/Ah	80/202
Battery Weight	Kg	715
Driving Motor Power-60 Minutes	Kw	15
Lifting Motor Power(S315%)	Kw	13
Driving Motor Control Mode		Full AC
Lifting Motor Control Mode		Full AC
Service Brake/Parking Brake		Hydraulic /Mechanical
Hydraulic System Working Pressure	Mpa	18.5

# DIESEL

## 2 TONS

MODEL

**FD20**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1070mm**

MAST

**3 Stage**

SPEED

**19km/h**



# LTHADI

*ADJUSTABLE FORK*

*FORK SIDE SHIFT POSITION*

**HADI**



#### ENGINE

The engine intake adopts a high independent channel to prevent dust inhalation and effectively increase the engine intake volume to make the engine burn more fully.

#### ENDURANCE

Heat dissipation system optimization design, inter cooling, water dispersion, oil dispersion independent layout, greatly improve the reliability of engine, gearbox and other core components.

#### POWER

Standard with high performance vacuum power or full hydraulic power braking system, effectively improve the reliability of service and emergency braking.

#### PERFORMANCE

The high voltage common rail engine with strong power output. better cold start performance and lower failure rate, reduces energy consumption of the whole machine to a great extent.

#### HYDRAULICS

Load-sensitive hydraulic system ensures the fork to lift with full load while the engine is running idly so as to reduce fuel consumption.

SPECIFICATIONS	UNITS	PARAMETERS	
Power Type		Diesel	
Rated Capacity	kg	2000	
Load Centre	mm	500	
Lift Height	mm	3000	
Fork Size(L×W×T )	Mm	1070×120×40	
Mast Tilt Angle(F/R)	Deg	6°/12°	
Front Overhang (Wheel center to fork face)	mm	465	
Ground Clearance (Bottom of mast)	mm	110	
Turning Radius (outside)	mm	2310	
Max. Gradeability (No load/Full load)	%	20	
Wheelbase	mm	1600	
Service weight	kg	3590	
Length to face of fork(Without fork)	mm	2595	
Overall Width	mm	1150	
Mast Lowered Height	mm	2070	
Mast Extended Height(With backrest)	mm	4070	
Overhead Guard Height	mm	2070	
Travel Speed (Full load)	km/h	19	
Lifting Speed (Full load)	mm/s	530	
Front Tire	mm	7.00-12-12PR	
Rear Tire	mm	6.00-9-10PR	
Battery Voltage/Capacity	V/Ah	29556	
Engine Model		C240	
Manufacture		ISUZU	XINCHAI
Rated output/r.p.m.	kw	35.4/2500	40/2650
Rated torque/r.p.m.	N·m	137.7/1800	160/1600-2000
No. of Cylinder		4	4
Bore × Stroke	mm	86×102	90×105
Displacement	cc	2369	2670
Fuel Tank Capacity	L	60	45
Transmission		Hydraulic	Hydraulic
Stage(FWD/RVS)		1/1	1/1

# LPG / GASOLINE

2 TONS

MODEL  
**FG20**

LIFT HEIGHT  
**4500 mm**

TRANSMISSION  
**Automatic**

FORK LENGTH  
**1070mm**

MAST  
**3 Stage**

SPEED  
**18km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



**HADI**



**Color instrument:** The multifunctional color-screen instruments are designed to have graphical interfaces and display data clearly.

**Cylinder protection sleeve:** Standard steering axle cylinder sleeve which is more reliable for harsh working condition. Reasonable grease fitting layout makes lubrication easier.

**Radiator cover:** Radiator cover with supporting rod can open to 80 degrees. It is convenient to check.

**Higher bearing capacity:** Dual front tires ensure the machine with higher bearing capacity and better driving stability.

**Hydraulic power drive:** Electric one button parking brake, hydraulic power drive, separate design between the parking brake and the driving brake provides a more reliable and safety parking brake.

**Cab:** The enlarged opening size of the fork carriage enables a wider view, a large operation space, and excellent ergonomic design.

SPECIFICATIONS	UNITS	PARAMETERS
Power Type		LPG /GASOLINE
Rated Capacity	kg	2000
Load Centre	mm	500
Lift Height	mm	3000
Fork Size (LxWxT)	mm	1070×120×40
Mast Tilt Angle F/R	Deg	6°/12°
Front Overhang (Wheel center to fork face)	mm	445
Ground Clearance (Bottom of mast)	mm	80
Length to face of fork(Without fork)	mm	2355
Overall Width	mm	1110
Mast Lowered Height	mm	2070
Mast Extended Height(With backrest)	mm	4070
Overhead Guard Height	mm	2080
Turning Radius (outside)	mm	2110
Travel Speed (Full load)	km/h	17
Lifting Speed (Full load)	mm/s	530
Max. Gradeability (No load/Full load)	%	20
Front Tire	mm	21*7*15
Rear Tire	mm	16(1/4)*6*11(1/4)
Wheelbase	mm	1400
Service weight	kg	3445
Battery Voltage/Capacity	V/Ah	29556
Engine Model		K25EPA
Manufacture		GCT (NISSAN)
Rated output/r.p.m.	kw	42/2700
Rated torque/r.p.m.	N·m	185/1350
No. of Cylinder		4
Bore × Stroke	mm	89×100
Displacement	cc	2488
Fuel Tank Capacity	L	55
Transmission Type		Hydraulic
Stage (FWD/RVS)		1/1

# ELECTRIC

LITHIUM 3 TONS

MODEL

**FB30**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1070mm**

MAST

**3 Stage**

SPEED

**14km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



**HADI**



### INTELLIGENT DESAFETY

Electric lock + card start, BMS controller with real-time monitoring and 3-level fault protection. Seat auto-powers off when unoccupied, handbrake with lock and alarm.

### COMFORT & CONVENIENCE

Standard luxury seat with good shock absorption. Reliable gear-type handbrake. Wide-vision mast, sturdy structure. Drawer-style battery pack for easy maintenance and quick replacement.

### EFFICIENCY & RANGE

High-efficiency lithium iron phosphate battery with fast charging and long warranty. Motor-driven oil pump increases efficiency. Braking energy recovery system extends range and reduces wear.

### BODY & HYDRAULIC SYSTEM

New body design enhances load and range, adapts well to conditions. Split hydraulic oil tank reduces loss, easy to maintain, large capacity for attachments.

### DESIGN

The four-point design provides greater stability, enhancing operational safety. The electric drive system responds quickly and is easy to maneuver, making it suitable for operations in narrow spaces.

SPECIFICATIONS	UNITS	PARAMETERS
Rated Capacity	(kg)	3000
Load Centre	(mm)	500
Battery (Voltage/Capacity )	(V/Ah)	80/272
Max. Lifting Height	(mm)	3000
Free lift height	(mm)	130
Mast Tilt Angle (Front/Rear)	(°)	6°/10°
Max. Lifting speed (Full/No load)	(mm/s)	280/350
Max. Speed (Full/No load)	(km/h)	14/15
Min. Turning Radius	(mm)	2285
Gradeability(Full/No load)	(%)	15/15
Weight (with/without battery)	(kg)	4390/4170
Traction	(N)	17000
Overall Length (without fork)	(mm)	2528
Width	(mm)	1260
Height of Mast	(mm)	2115
Height to head guard	(mm)	2150
Max. Lifting Height	(mm)	4272
Minimum Ground Clearance (mast)	(mm)	145
Wheelbase	(mm)	1650
Wheel Tread Front	(mm)	1000
Wheel Tread Rear	(mm)	960
Front Overhang	(mm)	485
Front Tire		28×9-15
Rear Tire		18×7-8
Forks (L*W*H)	(mm)	1220×122×45

# DIESEL

## 3 TONS

MODEL

**FD30**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1070mm**

MAST

**3 Stage**

SPEED

**20km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



# HADI



### Powerful and Efficient Engine:

Equipped with an all-diesel high-pressure common rail engine, it delivers powerful performance, lower emissions, and improved fuel economy.

### Durable and Comfortable Design:

Equipped with a maintenance-free steering axle and impact-resistant bearings, a wide-view mast for enhanced visibility, and a large, accessible hood for easy maintenance.

### Intelligent and Efficient Operation:

Ergonomic controls, a digital instrument panel with real-time monitoring, and LED lighting. Side rollers enhance stability during aerial work.

### Advanced Electrical System:

Simplified wiring for easy maintenance and higher electrical efficiency ensure smooth and reliable performance.

SPECIFICATIONS	PARAMETERS
Mast	Triplex
Tire Type	Front/Rear - Solid Type
Side shifter	Optional
Transmission	Automatic (Forward & Reverse)
Lifting Mechanism	Hydraulic
Power Type	Diesel
Capacity	3 Ton
Load center	500 mm
Max lifting height	4500 mm
Free lifting height	120 mm
Fork size	1220 x 122 x 50 mm
Mast tilt angle	6/12 deg
Overall Dimension	2682 x 1225 x 2110 mm
Mast lowered height	2110 mm
Overhead guard height	2110 mm
Min. turning radius	2400 mm
Max. traveling speed (load/unload)	18/19 km/h
Max. lifting speed (load/unload)	440/480 mm/s
Max. gradient	20 %
Self-weight	4350 kg
Min. ground clearance (Mast)	135 mm
Min. ground clearance (Body)	165 mm
Rated Power	35.3 kW
Related RPM	2250
Model	S4S
Brand	Mitsubishi S4S series
Country of Origin	Japan
Country of Manufacture	Japan
Condition	Brand New
Year of Manufacturing	2024 or later
No. of Cylinder	4
Displacement Volume	3300 cc

# LPG / GASOLINE

3 TONS

MODEL  
**FG30**

LIFT HEIGHT  
**4500 mm**

TRANSMISSION  
**Automatic**

FORK LENGTH  
**1070mm**

MAST  
**3 Stage**

SPEED  
**19km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



**HADI**



### PRODUCTIVITY

By focusing on enhancing reliability, reducing downtime, the LPG series can make the greater productivity for customer.

### EASE

All the locations of the engine oil level dipstick, filter of hydraulic, water separator are easy to reach, and very easy for engineer to check.

### VISIBILITY

The new design mast provides broad forward visibility due to the distance between inside mast is increase 60mm.

### LED

The new efficiency LED lighting system and new type reflector reduce energy consumption, improve illumination performance and prolong working life.

### GUARD

Overhead guard heightening design, the roof with high-strength steel plate stamping. The height can meet the requirements of European and American standards.

SPECIFICATIONS	UNITS	PARAMETERS
Rated load	kg	3000
Load center distance	mm	500
Lift Height	mm	3000
Free Lift height	mm	165
Fork size (L×W×T)	mm	1070×125×45
Mast tilt angle (FR/RR)		6/12
Min. turning radius	mm	2550
Min. right angle stacking length	mm	4025
Min. right angle aisle width	mm	2750
Min. ground clearance	mm	130
Height of overhead guard	mm	2090
Maximum travel speed (Full load)	km/h	19
Maximum lift speed (Full load)	mm/s	560
Maximum drawbar pull (Full load)	KN	20
Gradeability	%	15
Overall length (Without forks)	mm	2765
Overall width	mm	1230
Fork height at maximum lift	mm	4230
Mast height	mm	2075
Tire Front wheel		28×9-15-14PR
Tire Rear wheel		6.50-10-10PR
Wheelbase	mm	1760
Self weigh	Kg	4140
Battery Voltage/capacity	V/Ah	29556
Engine Model		NISSAN
Rated output	kw/r.p.m	37.4/2300
Rated torque	Nm/t.p.m	176.5/1600
Bore x stroke	mm	89×100
Number of cylinders		4
Displacement	L	2.488
Fuel tank capacity	L	55
Transmissions(FWD/RWD)		1/1 Manual shift
Operating pressure	Mpa	18.5
Tire type(FRV/RR)		Pneumatic

# ELECTRIC

LITHIUM 4 TONS

MODEL

**FB40**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1070mm**

MAST

**3 Stage**

SPEED

**12km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



**HADI**



## MOTOR

Compared with DC motor, the maximum speed of AC motor is higher, which is more compact yet more powerful. With faster start-up response, the forklift can run at full speed over short distances. No need to replace the carbon brush or diverter, thus saving maintenance cost.

## BATTERY

Standard equipped with Heding high quality lithium battery. Long service life, five-year' s warranty, zero pollution, maintenance free. 1.5-2 hours for full charge, more suitable for multi-shift work.

## CONTROL

Standard equipped with ZAPI electronic control system. The start driving and loading are all controlled by electronic control system with high precision and efficiency, which has ramp braking and fault self-diagnosis functions.

## BARKE

The maintenance-free wet disc brake system provides excellent brake performance. The compact structure, small deflection, and dust-proof and water-proof design of the casting steering axle endow the forklift with long service life and working reliability.

## DESIGN

The four-point design provides greater stability, enhancing operational safety. The electric drive system responds quickly and is easy to maneuver, making it suitable for operations in narrow spaces.

SPECIFICATIONS	UNITS	PARAMETERS
Rated Capacity	kg	4000
Load Center Distance	mm	500
Power Type		Lithium Battery
Wheelbase	mm	1800
Wheel Number(Front/Rear)		2×/2
Front Tread	mm	1160
Rear Tread	mm	970
Tire(Front)		250-15-12PR
Tire(Rear)		18X7-8-16PR
Front Overhang	mm	520
Mast Tilting Angle, Front/Rear		6/12
Height With Mast Retraction	mm	2150
Free Lifting Height	mm	150
Max. Lifting Height	mm	3000
Max. Height After Lifting	mm	4272
Overall Guard Height	mm	2092
Fork Size: Length X Width X Thickness	mm	1070×125×50
Overall Length(Fork Excluded)	mm	2690
Overall Width	mm	1420
Turning Radius	mm	2550
Ground Clearance Of Mast	mm	130
Ground Clearance Of Wheelbase Center(Loaded)	mm	130
Right Angle Stacking Aisle Width (Pallet 1000×1000Mm), Clearance 200Mm	mm	4250
Lateral Fork Adjustment Max./Min	mm	1300/250
Travelling Speed (Loaded/Unloaded)	km/h	12/13
Lifting Speed (Loaded/Unloaded)	mm/s	250/350
Lowering Speed	mm/s	<600
Gradeability (Loaded)	%	14
Self Weight	Kg	5440
Battery Voltage /Capacity	V/Ah	80/404
Battery Weight	Kg	1170
Driving Motor Power-60 Minutes	Kw	16.6
Lifting Motor Power(5315%)	Kw	13.5
Driving Motor Control Mode		Full AC
Lifting Motor Control Mode		Full AC
Service Brake/Parking Brake		Hydraulic /Mechanical
Hydraulic System Working Pressure	Mpa	20.0

# DIESEL

## 4 TONS

MODEL

**FD40**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1070mm**

MAST

**3 Stage**

SPEED

**19km/h**



# LTHADI

*ADJUSTABLE FORK*

*FORK SIDE SHIFT POSITION*

**HADI**



## ENGINE

The engine intake adopts a high independent channel to prevent dust inhalation and effectively increase the engine intake volume to make the engine burn more fully.

## ENDURANCE

Heat dissipation system optimization design, inter cooling, water dispersion, oil dispersion independent layout, greatly improve the reliability of engine, gearbox and other core components.

## PERFORMANCE

Standard with high performance vacuum power or full hydraulic power braking system, effectively improve the reliability of service and emergency braking.

## ENGINE

The high voltage common rail engine with strong power output. better cold start performance and lower failure rate, reduces energy consumption of the whole machine to a great extent.

## HYDRAULIC

Load-sensitive hydraulic system ensures the fork to lift with full load while the engine is running idly so as to reduce fuel consumption.

SPECIFICATIONS	UNITS	PARAMETERS	
Power Type		Diesel	
Rated Capacity	kg	4000	
Load Centre	mm	500	
Lift Height	mm	3000	
Fork Size(L×W×T)	mm	1070×125×50	
Mast Tilt Angle(F/R)	Deg	6°/12°	
Front Overhang (Wheel center to fork face)	mm	495	
Ground Clearance (Bottom of mast)	mm	140	
Turning Radius (outside)	mm	2700	
Max. Gradeability (No load/Full load)	%	20	
Wheelbase	mm	1900	
Service weight	kg	5100	
Length to face of fork(Without fork)	mm	2890	
Overall Width	mm	1410	
Mast Lowered Height	mm	2195	
Mast Extended Height(With backrest)	mm	4180	
Overhead Guard Height	Mm	2120	
Travel Speed (Full load)	km/h	19	
Lifting Speed (Full load)	mm/s	320	
Front Tire	mm	250-15-16PR	
Rear Tire	mm	6.50-10-10PR	
Battery Voltage/Capacity	V/Ah	29556	
Engine Model		4TNE98	
Manufacture		YANMAR	XINCHAI
Rated output/r.p.m.	kw	43/2300	
Rated torque/r.p.m.	N·m	177.6-196.3/1700	174/1800-2000
No. of Cylinder		4	
No. of Cylinder	mm	98×110	95×105
Displacement	cc	3318	
Fuel Tank Capacity	L	70	70
TransmisstionsType		Hydraulic	
Stage(FWD/RVS)		1/1	1/1

# LPG / GASOLINE

4 TONS

MODEL  
**FG40**

LIFT HEIGHT  
**4500 mm**

TRANSMISSION  
**Automatic**

FORK LENGTH  
**1070mm**

MAST  
**3 Stage**

SPEED  
**19km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



**HADI**



### Reliability

By focusing on enhancing reliability, reducing downtime, the LPG series can make the greater productivity for customer.

### EASE

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### VISIBILITY

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### LED

The new efficiency LED lighting system and new type reflector reduce energy consumption, improve illumination performance and prolong working life.

### GUARD

Overhead guard heightening design, the roof with high-strength steel plate stamping. The height can meet the requirements of European and American customers.

SPECIFICATIONS	UNITS	PARAMETERS
Rated load	kg	4000
Load center distance	mm	500
Lift Height	mm	3000
Free Lift height	mm	110
Fork size (LxWxT)	mm	1070x150x50
Mast tilt angle (FR/RR)		45/820
Min. turning radius	mm	2835
Min. right angle stacking length	mm	4325
Min. right angle aisle width	mm	3035
Min. ground clearance	mm	138
Height of overhead guard	mm	2140
Maximum travel speed (Full load)	km/h	19
Maximum lift speed (Full load)	mm/s	431
Maximum drawbar pull (Full load)	KN	21.8
Gradeability	%	15
Overall length (Without forks)	mm	2950
Overall width	mm	1410
Fork height at maximum lift	mm	4220
Mast height	mm	2125
Tire Front wheel		250-15-16PR
Tire Rear wheel		6.50-10-10PR
Wheelbase	mm	1900
Self weigh	Kg	5160
Battery Voltage/capacity	V/Ah	12/80
Engine Model		GUANGQING
Rated output	kw/r.p.m	46/2800
Rated torque	Nm/t.p.m	168/1800
Bore x stroke	mm	91x86
Number of cylinders		4
Displacement	L	2.237
Fuel tank capacity	L	66
Transmissions(FWD/RWD)		2/2 Manual shift
Operating pressure	Mpa	18.5
Tire type(FRV/RR)		Pneumatic

# ELECTRIC

LITHIUM 5 TONS

MODEL

**FB50**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1220mm**

MAST

**3 Stage**

SPEED

**14km/h**



# *LTHADI*

*ADJUSTABLE FORK*

*FORK SIDE SHIFT POSITION*

**HADI**



## MOTOR

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SPECIFICATIONS	UNITS	PARAMETER
Rated Capacity	kg	4000
Load Center Distance	mm	500
Power Type		Lithium Battery
Wheelbase	mm	1800
Wheel Number(Front/Rear)		2×/2
Front Tread	mm	1160
Rear Tread	mm	970
Tire(Front)		250-15-12PR
Tire(Rear)		18X7-8-16PR
Front Overhang	mm	520
Mast Tilting Angle, Front/Rear		6/12
Height With Mast Retraction	mm	2150
Free Lifting Height	mm	150
Max. Lifting Height	mm	3000
Max. Height After Lifting	mm	4272
Overall Guard Height	mm	2092
Fork Size: Length X Width X Thickness	mm	1070×125×50
Overall Length(Fork Excluded)	mm	2690
Overall Width	mm	1420
Turning Radius	mm	2550
Ground Clearance Of Mast	mm	130
Ground Clearance Of Wheelbase Center(Loaded)	mm	130
Right Angle Stacking Aisle Width (Pallet 1000×1000Mm ), Clearance 200Mm	mm	4250
Right Angle Stacking Aisle Width (Pallet 1200×1200Mm), Clearance 200Mm	mm	4450
Lateral Fork Adjustment Max./Min	mm	1300/250
Travelling Speed (Loaded/Unloaded)	km/h	12/13
Lifting Speed (Loaded/Unloaded)	mm/s	250/350
Lowering Speed	mm/s	<600
Gradeability (Loaded)	%	14
Self Weight	Kg	5440
Battery Voltage /Capacity	V/Ah	80/404
Battery Weight	Kg	1170
Driving Motor Power-60 Minutes	Kw	16.6
Lifting Motor Power(S315%)	Kw	13.5
Driving Motor Control Mode		Full AC
Lifting Motor Control Mode		Full AC
Service Brake/Parking Brake		Hydraulic /Mechanical
Hydraulic System Working Pressure	Mpa	20.0

# DIESEL

## 5 TONS

MODEL

**FD50**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1220mm**

MAST

**3 Stage**

SPEED

**30km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



# HADI



## POWER

The engine intake adopts a high independent channel to prevent dust inhalation and effectively increase the engine intake volume to make the engine burn more fully.

## ENDURANCE

Heat dissipation system optimization design, inter cooling, water dispersion, oil dispersion independent layout, greatly improve the reliability of engine, gearbox and other core components.

## PERFORMANCE

Standard with high performance vacuum power or full hydraulic power braking system, effectively improve the reliability of service and emergency braking.

## ENGINE

The high voltage common rail engine with strong power output. better cold start performance and lower failure rate, reduces energy consumption of the whole machine to a great extent.

## HYDRAULIC

Load-sensitive hydraulic system ensures the fork to lift with full load while the engine is running idly so as to reduce fuel consumption.

SPECIFICATIONS	UNTIS	PARAMETERS	
Power Type		Diesel	
Rated Capacity	kg	5000	
Load Centre	mm	600	
Lift Height	mm	3000	
Fork Size(L×W×T)	mm	1220×150×60	
Mast Tilt Angle(F/R)	Deg	6°/12°	
Front Overhang (Wheel center to fork face)	mm	590	
Ground Clearance (Bottom of mast)	mm	200	
Turning Radius (outside)	mm	3250	
Max. Gradeability (No load/Full load)	%	20	
Wheelbase	mm	2250	
Service weight	kg	8150	
Length to face of fork(Without fork)	mm	3440	
Overall Width	mm	2010	
Mast Lowered Height	mm	2500	
Mast Extended Height(With backrest)	mm	4415	
Overhead Guard Height	mm	2430	
Travel Speed (Full load)	km/h	30	
Lifting Speed (Full load)	mm/s	500	
Front Tire	mm	8.25-15-14PR	
Rear Tire	mm	8.25-15-14PR	
Battery Voltage/Capacity	V/Ah	(12/80) x 2	
Model		6BG1-02	6110
Manufacture		ISUZU	
Rated output/r.p.m.	kw	82.4/2000	83/2000
Rated torque/r.p.m.	N·m	416/1600	
No. of Cylinder		6	6
Bore × Stroke	Mm	105×125	
Displacement	cc	6494	7120
Fuel Tank Capacity	L	125	
Transmission Type		Hydraulic	Hydraulic
Stage(FWD/RVS)		2/2	

# DIESEL

## 5 TONS MINI

MODEL  
**FD50 MINI**

LIFT HEIGHT  
**4500 mm**

TRANSMISSION  
**Automatic**

FORK LENGTH  
**1220mm**

MAST  
**3 Stage**

SPEED  
**30km/h**



# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



## INTAKE

The engine intake adopts a high independent channel to prevent dust inhalation and effectively increase the engine intake volume to make the engine burn more fully.

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Heat dissipation system optimization design, inter cooling, water dispersion, oil dispersion independent layout, greatly improve the reliability of engine, gearbox and other core components.

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## POWER

The high voltage common rail engine with strong power output. better cold start performance and lower failure rate, reduces energy consumption of the whole machine to a great extent.

## HYDRAULIC

Load-sensitive hydraulic system ensures the fork to lift with full load while the engine is running idly so as to reduce fuel consumption.

SPECIFICATIONS	UNITS	PARAMETERS	
Power Type		Diesel	
Rated Capacity	kg	5000	
Load Centre	mm	500	
Lift Height	mm	3000	
Fork Size(L×W×T)	mm	1070×150×50	
Mast Tilt Angle(F/R)	Deg	6°/12°	
Front Overhang (Wheel center to fork face)	mm	579	
Ground Clearance (Bottom of mast)	mm	150	
Turning Radius (outside)	mm	2910	
Max. Gradeability (No load/Full load)	%	20	
Wheelbase	mm	2100	
Service weight	kg	6700	
Length to face of fork(Without fork)	Mm	3260	
Overall Width	Mm	1460	
Mast Lowered Height	mm	2270	
Mast Extended Height(With backrest)	mm	4165	
Overhead Guard Height	mm	2340	
Travel Speed (Full load)	km/h	25	
Lifting Speed (Full load)	mm/s	380	
Front Tire	mm	300-15-18PR	
Rear Tire	mm	7.00-12-12PR	
Battery Voltage/Capacity	V/Ah	(12/80) x 2	
Model		6BG1-02	4DX23
Manufacture		ISUZU	XICHA1
Rated output/r.p.m.	kw	82.4/2000	60/2200
Rated torque/r.p.m.	N·m	416.8/1500	320/1400-1700
No. of Cylinder		6	4
Bore × Stroke	mm	105×125	102×118
Displacement	cc	6494	3875
Fuel Tank Capacity	L	130	130
Transmission Type		Hydraulic	Hydraulic
Stage(FWD/RVS)		2/1	2/1

# LPG / GASOLINE

5 TONS

MODEL  
**FG50**

LIFT HEIGHT  
**4500 mm**

TRANSMISSION  
**Automatic**

FORK LENGTH  
**1070mm**

MAST  
**3 Stage**

SPEED  
**25km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



**HADI**



## Operation

The small diameter steering wheel with tilt adjustment provides the ideal operating position. The superior responsiveness of the steering wheel optimizes maneuverability even in narrow spaces.

## Productivity

By focusing on enhancing reliability, reducing downtime, the LPG series is able to make the greater productivity for customer.

## Intake

The new stamped air cleaner featuring tangential intake, double seal with safety filter is durable, corrosion-free and vibration resistant, provides better filter efficiency and lower intake resistance than the previous.

## Radiator

The patent plated-fin type aluminum radiator is applied; the heat exchanging is approved and improves the capability for operation in severe environments.

## Efficiency

By optimizing transmission design, the power train provides higher efficiency, and the Max. driving speed is increased 20%.

SPECIFICATIONS	UNITS	PARAMETERS
Power Type		LPG
Rated Capacity	kg	5000
Load Centre	mm	600
Lift Height	mm	3000
Fork Size(L×W×T)	mm	1220×150×60
Mast Tilt Angle(F/R)	Deg	6°/12°
Front Overhang (Wheel center to fork face)	mm	590
Ground Clearance (Bottom of mast)	mm	200
Length to face of fork(Without fork)	mm	3440
Overall Width	mm	2010
Mast Lowered Height	mm	2500
Mast Extended Height(With backrest)	mm	4415
Overhead Guard Height	mm	2430
Turning Radius	mm	3250
Travel Speed (Full load)	km/h	30
Lifting Speed (Full load)	mm/s	500
Max. Gradability	%	20
Front Tire	mm	8.25-15-14PR
Rear Tire	mm	8.25-15-14PR
Wheelbase	mm	2250
Service weight	kg	8750
Battery Voltage/Capacity	V/Ah	12/120
Engine Model		PSI4.3L
Manufacture		PSI
Rated output/r.p.m.	kw	76/2300
Rated torque/r.p.m.	N·m	324/1700
No. of Cylinder		6
Bore × Stroke	mm	101.6×88.4
Displacement	cc	4300
Fuel Tank Capacity	L	125
Transmission Type		Hydraulic
Stage(FWD/RVS)		2/2

# LPG / GASOLINE

5 TONS MINI

MODEL  
**FG50 MINI**

LIFT HEIGHT  
**4500 mm**

TRANSMISSION  
**Automatic**

FORK LENGTH  
**1070mm**

MAST  
**3 Stage**

SPEED  
**25km/h**



## LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



## Operation

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SPECIFICATIONS	UNTIS	PARAMETER
Power Type		LPG
Rated Capacity	kg	5000
Load Centre	mm	500
Lift Height	mm	3000
Fork Size(L×W×T)	mm	1070×150×50
Mast Tilt Angle(F/R)	Deg	6°/12°
Front Overhang (Wheel center to fork face)	mm	579
Ground Clearance (Bottom of mast)	mm	150
Length to face of fork(Without fork)	mm	3260
Overall Width	mm	1460
Mast Lowered Height	mm	2270
Mast Extended Height(With backrest)	mm	4165
Overhead Guard Height	mm	2340
Turning Radius (outside)	mm	2910
Travel (Full load)	km/h	25
Lifting (Full load)	mm/s	400
Max. Gradeability	%	20
Front	mm	300-15-18PR
Rear	mm	7.00-12-12PR
Wheelbase	mm	2100
Service weight	kg	6400
Voltage/Capacity	V/Ah	(12/80) x2
Model		PSI4.3L
Manufacture		PSI
Rated output/r.p.m.	kw	76/2300
Rated torque/r.p.m.	N·m	324/1700
No. of Cylinder		6
Stroke	mm	101.6×88.4
Displacement	cc	4300
Fuel Tank Capacity	L	125
Type		Hydraulic
Stage(FWD/RVS)		2/2

# ELECTRIC

LITHIUM 7 TONS

MODEL

**FB70**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1220mm**

MAST

**3 Stage**

SPEED

**15km/h**



# *LTHADI*

*ADJUSTABLE FORK*

*FORK SIDE SHIFT POSITION*

**HADI**



## COMBUSTION

It adopts the internal combustion forklift structure, which has been examined by the market for more than 30 years, manifesting the features of high structural strength and high stability.

## AXLES

For the key components, it adopts mature and steady axles of internal combustion forklift, such as driving axle and steering axle. The large market holdings is a powerful guarantee for convenient maintenance and high product quality.

## CHARGING

It adopts Double Gun charging piles as standard configuration, with the charging capacity of 400AH per hour. The high efficiency greatly increases its working hours per day.

## BATTERY

It adopts high quality lithium iron phosphate battery, ensuring zero emissions in the entire working process.

## MOTOR

Advanced motor drive system with compact structure generates better driving and climbing performance, higher torque and more powerful forces.

SPECIFICATION	UNITS	PARAMETERS
Rated Capacity	kg	7000
Load Center Distance	mm	600
Power Type		Battery
Wheelbase	mm	2350
Wheel Number(Front/Rear)		4/2
Front Tread	mm	1470
Rear Tread	mm	1190
Tire(Front)		8.25-15-14PR
Tire(Rear)		28*9-15
Front Overhang	mm	587
Mast Tilting Angle, Front/Rear		6/9
Height With Mast Retraction	mm	2500
Free Lifting Height	mm	200
Max. Lifting Height	mm	3000
Max. Height After Lifting	mm	4420
Overall Guard Height	mm	2400
Fork Size: Length X Width X Thickness	mm	1220×150×65
Overall Length(Fork Excluded)	mm	3457
Overall Width	mm	1995
Turning Radius	mm	3180
Ground Clearance Of Mast	mm	160
Ground Clearance Of Wheelbase Center(Loaded)	mm	170
Lateral Fork Adjustment Max./Min	mm	1840-300
Travelling Speed (Loaded/Unloaded)	km/h	13/15
Lifting Speed (Loaded/Unloaded)	mm/s	340/450
Lowering Speed	mm/s	<600
Gradeability (Loaded)	%	17
Self Weight	Kg	10100
Battery Voltage /Capacity	V/Ah	80/800
Battery Weight	Kg	2090
Driving Motor Power-60 Minutes	Kw	25
Lifting Motor Power(S315%)	Kw	2X26
Driving Motor Control Mode		Full AC
Lifting Motor Control Mode		Full AC
Service Brake/Parking Brake		Hydraulic /Mechanical
Hydraulic System Working Pressure	Mpa	20.0

# DIESEL

7 TONS

MODEL

**FD70**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1220mm**

MAST

**3 Stage**

SPEED

**30km/h**



# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



### EASE

Reasonable body parts, large space, hood open angle of up to 70°, easy maintenance.

### DISPLAY

Intelligent LCD instrument, CAN, Controller Area Network, real-time display of engine and forklift's working information.

### PERFORMANCE

The inter-cooling, scattered water, oil scattered are independent layout, which greatly increase the engine, gearbox and other core components quality.

### POWER

Engine standard with two-stage filter design (cyclone type filter & air dry filter), designed to ensure optimal performance and longevity.

### SIMPLICITY

Simple structure enables secondary engine silencing and reduces exhaust resistance.

### LONG LIFE AND SAFETY

Intelligent starting system, forklift hanging gear start prevent function, it improves the operation safety and longer gearbox service life.

SPECIFICATIONS	UNITS	PARAMETERS	
Power Type		Diesel	
Rated Capacity	Kg	7000	
Load Centre	mm	600	
Lift Height	mm	3000	
Fork Size(L×W×T)	mm	1220×150×70	
Mast Tilt Angle(F/R)	Deg	6°/12°	
Front Overhang (Wheel center to fork face)	mm	595	
Ground Clearance (Bottom of mast)	mm	200	
Turning Radius (outside)	mm	3350	
Max. Gradeability (No load/Full load)	%	20	
Wheelbase	mm	2250	
Service weight	kg	9750	
Length to face of fork(Without fork)	mm	3565	
Overall Width	mm	2010	
Mast Lowered Height	mm	2500	
Mast Extended Height(With backrest)	mm	4415	
Overhead Guard Height	mm	2430	
Travel Speed (Full load)	km/h	30	
Lifting Speed (Full load)	mm/s	460	
Front Tire	mm	8.25-15-14PR	
Rear Tire	mm	8.25-15-14PR	
Battery Voltage/Capacity	V/Ah	(12/80) x 2	
Engine Model		6BG1-02	6110
Manufacture		ISUZU	XICHA
Rated output/r.p.m.	kw	82.4/2000	83/2000
Rated torque/r.p.m.	N-m	416/1600	450/1400-1500
No. of Cylinder		6	6
Bore × Stroke	mm	105×125	110×125
Displacement	cc	6494	7120
Fuel Tank Capacity	L	125	125
Transmissions Type		Hydraulic	Hydraulic
Stage(FWD/RVS)		2/2	2/2

# LPG / GASOLINE

7 TONS

MODEL  
**FG70**

LIFT HEIGHT  
**4500 mm**

TRANSMISSION  
**Automatic**

FORK LENGTH  
**1220mm**

MAST  
**3 Stage**

SPEED  
**30km/h**



# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION

**HADI**



## Operation

The small diameter steering wheel with tilt adjustment provides the ideal operating position. The superior responsiveness of the steering wheel optimizes maneuverability even in narrow spaces.

## Productivity

By focusing on enhancing reliability, reducing downtime, the LPG series is able to make the greater productivity for customer.

## Intake

The new stamped air cleaner featuring tangential intake, double seal with safety filter is durable, corrosion-free and vibration resistant, provides better filter efficiency and lower intake resistance than the previous.

## Radiator

The patent plated-fin type aluminum radiator is applied; the heat exchanging is approved and improves the capability for operation in severe environments.

## Efficiency

By optimizing transmission design, the power train provides higher efficiency, and the Max. driving speed is increased 20%.

SPECIFICATIONS	PARAMETERS
Power Type	LPG
Rated Capacity	7000
Load Centre	600
Lift Height	3000
Fork Size(L×W×T)	1220×150×70
Mast Tilt Angle(F/R)	6°/12°
Front Overhang (Wheel center to fork face)	595
Ground Clearance (Bottom of mast)	200
Length to face of fork(Without fork)	3565
Overall Width	2010
Mast Lowered Height	2500
Mast Extended Height(With backrest)	4415
Overhead Guard Height	2430
Turning Radius (outside)	3350
Travel (Full load)	30
Lifting (Full load)	460
Max. Gradeability	20
Front Tire	8.25-15-14PR
Rear Tire	8.25-15-14PR
Wheelbase	2250
Service weight	9750
Battery Voltage/Capacity	12/120
Engine Model	PSI4.3L
Manufacture	PSI
Rated output/r.p.m.	76/2300
Rated torque/r.p.m.	324/1700
No. of Cylinder	6
Bore × Stroke	101.6×88.4
Displacement	4300
Fuel Tank Capacity	125
Transmission Type	Hydraulic
Stage(FWD/RVS)	2/2

# ELECTRIC

LITHIUM

10 TONS

# LTHADI

MODEL

**FB100**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1520mm**

MAST

**3 Stage**

SPEED

**14km/h**

*ADJUSTABLE FORK*

*FORK SIDE SHIFT POSITION*



**HADI**



## AXLES

For the key components, it adopts mature and steady axles of internal combustion forklift, such as driving axle and steering axle. The large market holdings is a powerful guarantee for convenient maintenance and high product quality.

## ENDURANCE

Lithium batteries have a high energy density, providing longer endurance. Even under high-load working conditions, they ensure continuous efficient operation of the forklift, reducing charging frequency and downtime, thereby improving productivity.

## BATTERY

Lithium batteries require almost no maintenance compared to traditional lead-acid batteries, which need regular water refills and cleaning. This reduces maintenance workload and costs. Additionally, lithium batteries have a longer lifespan, decreasing the frequency and expense of battery replacements.

## EFFICIENT

Lithium forklifts have no exhaust emissions, making them more environmentally friendly. Furthermore, lithium batteries have high charging efficiency and low energy conversion losses, saving energy consumption and helping to reduce carbon footprints and operating costs.

## MOTOR

Advanced motor drive system with compact structure generates better driving and climbing performance, higher torque and more powerful forces.

SPECIFICATIONS	UNITS	PARAMETERS
Power Type		Electric
Rated Capacity	kg	10000
Load Centre	mm	600
Lift Height	mm	3000
Fork Size(L×W×T)	mm	1220x175x80
Mast Tilt Angle(F/R)	Deg	6/10
Front Overhang (Wheel center to fork face)	mm	845
Ground Clearance (Bottom of mast)	mm	230
Turning Radius (outside)	mm	3850
Max. Gradeability (No load/Full load)	%	10
Wheelbase	mm	2850
Service weight	kg	14800
Length to face of fork(Without fork)	mm	4415
Overall Width	mm	2250
Mast Lowered Height	mm	2830
Mast Extended Height(With backrest)	mm	4620
Overhead Guard Height	mm	2640
Speed Travel (Full load)	km/h	13/14
Speed Lifting (Full load)	mm/s	280/300
Tire Front		9.00-20-14PR
Tire Rear		8.25-20-14PR
Voltage/Capacity	V/Ah	96/1200
Fork Size (L*W*H)	mm	1250x805x680
Type		Full AC

# DIESEL

## 10 TONS

MODEL

**FD100**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1520mm**

MAST

**3 Stage**

SPEED

**30km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



# HADI



**Handbrake With Button:**

Standard equipped button parking brake, effectively prevent the handbrake from accidentally release.

**Wide View Mast:**

Overhead guard with high-strength steel plate one stamping, provide driver more sophisticated security.

**LED Lights:**

Equipped with high-brightness lighting, safer for night work.

**Engine**

Engine standard with two-stage filter design (cyclone type filter & air dry filter), designed to ensure optimal performance and longevity.

**SIMPLICITY**

Simple structure enables secondary engine silencing and reduces exhaust resistance.

**Long and safe**

Intelligent starting system, forklift hanging gear start prevent function, it improves the operation safety and longer gearbox service life.

SPECIFICATIONS	UNITS	PARAMETERS	
Power Type		Diesel	
Rated Capacity	kg	10000	
Load Centre	mm	600	
Lift Height	mm	3000	
Fork Size(L×W×T)	mm	1520×175×85	
Mast Tilt Angle(F/R)	Deg	6°/12°	
Front Overhang (Wheel center to fork face)	mm	739	
Ground Clearance (Bottom of mast)	mm	230	
Turning Radius (outside)	mm	3970	
Max.Gradeability (No load/Full load)	%	20	
Wheelbase	mm	2800	
Service weight	kg	13100	
Length to face of fork(Without fork)	mm	4280	
Overall Width	mm	2170	
Mast Lowered Height	mm	2830	
Mast Extended Height(With backrest)	mm	4335	
Overhead Guard Height	mm	2510	
Travel Speed (Full load)	km/h	30	
Lifting Speed (Full load)	mm/s	270	
Front Tire	mm	9.00-20-14PR	
Rear Tire	mm	9.00-20-14PR	
Battery Voltage/Capacity	V/Ah	(12/80) x 2	
Engine Model		6BG1-QC02	6110
Manufacture		ISUZU	XICHA1
Rated output/r.p.m.	kw	82.4/2000	83/2000
Rated torque/r.p.m.	N·m	416/1600	450/1400-1500
No. of Cylinder		6	6
Bore × Stroke	mm	105×125	110×125
Displacement	cc	6494	7120
Fuel Tank Capacity	L	135	125
Transmissions Type		Hydraulic	Hydraulic
Stage(FWD/RVS)		2/2	2/2

# ELECTRIC

LITHIUM

12 TONS

MODEL

**FB120**

LIFT HEIGHT

**4500 mm**

TRANSMISSION

**Automatic**

FORK LENGTH

**1520mm**

MAST

**3 Stage**

SPEED

**14km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



**HADI**



## AXLES

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## ENDURANCE

Lithium batteries have a high energy density, providing longer endurance. Even under high-load working conditions, they ensure continuous efficient operation of the forklift, reducing charging frequency and downtime, thereby improving productivity.

## BATTERY

Lithium batteries require almost no maintenance compared to traditional lead-acid batteries, which need regular water refills and cleaning. This reduces maintenance workload and costs. Additionally, lithium batteries have a longer lifespan, decreasing the frequency and expense of battery replacements.

## EFFICIENT

Lithium forklifts have no exhaust emissions, making them more environmentally friendly. Furthermore, lithium batteries have high charging efficiency and low energy conversion losses, saving energy consumption and helping to reduce carbon footprints and operating costs.

SPECIFICATIONS	UNITS	PARAMETER
Rated Capacity	kg	12000
Load Center Distance	mm	600
Power Type		Lithium Battery
Wheelbase	mm	2800
Wheel Number(Front/Rear)		4x/2
Front Tread	mm	1600
Rear Tread	mm	1722
Tire(Front)		9.00-20-16PR
Tire(Rear)		9.00-20-16PR
Front Overhang	mm	720
Mast Tilting Angle, Front/Rear		6/12
Height With Mast Retraction	mm	2840
Free Lifting Height	mm	200
Max. Lifting Height	mm	3000
Max. Height After Lifting	mm	4320
Overall Guard Height	mm	2560
Fork Size:Length X Width X Thickness	mm	1220x150x85
Overall Length(Fork Excluded)	mm	4260
Overall Width	mm	2240
Turning Radius	mm	4080
Ground Clearance Of Mast	mm	235
Ground Clearance Of Wheelbase Center(Loaded)	mm	245
Right Angle Stacking Aisle Width (Pallet 1000x1000Mm), Clearance 200Mm	mm	5750
Right Angle Stacking Aisle Width (Pallet 1200x1200Mm), Clearance 200Mm	mm	5950
Lateral Fork Adjustment Max./Min	mm	2200-300
Travelling Speed (Loaded/Unloaded)	km/h	13/15
Lifting Speed (Loaded/Unloaded)	mm/s	280/300
Lowering Speed	mm/s	450
Gradeability (Loaded)	%	14
Self Weight	Kg	15800
Battery Voltage /Capacity	V/Ah	76.8/1120
Battery Weight	Kg	720
Driving Motor Power-60 Minutes	Kw	30
Lifting Motor Power(S315%)	Kw	2X26
Driving Motor Control Mode		MOSFET/AC
Lifting Motor Control Mode		MOSFET/AC
Service Brake/Parking Brake		Hydraulic /Mechanical
Hydraulic System Working Pressure	Mpa	20

# DIESEL

## 12 TONS

MODEL  
**FD120**

LIFT HEIGHT  
**4500 mm**

TRANSMISSION  
**Automatic**

FORK LENGTH  
**1600mm**

MAST  
**3 Stage**

SPEED  
**23km/h**

# LTHADI

ADJUSTABLE FORK

FORK SIDE SHIFT POSITION



# HADI



**Color-screen instrument:**

The multifunctional color-screen instruments are designed to have graphical interfaces and display data clearly.

**Cylinder protection sleeve:**

Standard steering axle cylinder sleeve which is more reliable for harsh working condition. Reasonable grease fitting layout makes lubrication easier.

**Radiator cover:**

Radiator cover with supporting rod can open to 80 degrees. It is convenient to check.

**Higher bearing capacity:**

Dual front tires ensure the machine with higher bearing capacity and better driving stability.

**Hydraulic power drive:**

Electric one button parking brake, hydraulic power drive, separate design between the parking brake and the driving brake provides a more reliable and safety parking brake.

**Cab:**

The enlarged opening size of the fork carriage enables a wider view, a large operation space, and excellent ergonomic design.

SPECIFICATIONS	UNIT	PARAMETER
Rated Load	Kg	12000
Load Center	mm	600
Wheelbase	mm	2950
Weight	kg	15500
Tire Specs: Front		11.00-20-18PR
Tire Specs: Rear		10.00-20-18PR
Tires Qty, front/rear(X-drewe wheels)		6/12
Wheel tread: Front	mm	1660
Wheel tread: Rear	mm	1740
Mast/carriage tilt angle(front/rear)	Degree(°)	45/20
Mast height(fork lowering)	mm	2950
Mast lifting height	mm	3000
Max. height	mm	4420
height to head guard(height to cab)	mm	2730
Overall height with forks)	mm	6160
Fork front verticaal surface to the rear end of the vehicle	mm	4560
Overall width	mm	2250
Fork dimension	mm	1600*180*80
Fork carriage width	mm	2220
Mast min ground(with load)	mm	340
Wheelbase center min ground(with load)	mm	350
Min. turning Radius	mm	4680
Travel speed(with load/without load)	km/h	23/28
Front overhang	mm	840
Rear overhang	mm	810
Max. lifting speed(with load/without load)	mm/s	220/280
Traction	KN	100
Gradeability(with load/without load)	%	20/22
Driving Brake		Hydraulic disc brake
Engine Model		YC6B125-T21
Manufacture		Yuchai Engine
Rated Output	(Kw)	92
Engine Model option-1		Dongfeng - 6BT5.9
Engine Model option-2		Cummins - C130-II
Rated Output	(Kw)	97
Cylinder No		6
Transmission gears(Front/rear)		2/2

**FORKLIFT**  
ELECTRIC - DIESEL - LPG/GASOLINE

**HADI**

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