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 Notice: Not all products and product features are available in all countries in which this literature is published.
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N Series Forklift Truck

- 1.5-3.5 Ton Diesel Forklift
- 1.5-3.5 Ton Gasoline / LPG Forklift
- 4.0-5.0 Ton Diesel Forklift
- 5.0-7.0 Ton Diesel Forklift
- 8.0-10.0 Ton Diesel Forklift

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 ZENVAN Team
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Reliability

10%

Steering System

The hydraulic steering system reduces the loss of hydraulic and improves energy efficiency.

25%

Lifting & Driving System

The unique hydraulic technology increases lifting speed 25% and improves the driving speed.



Excellent hydraulic system shows great performance in all aspects below.

- Uses a load-sensing flow control valve for steering to reduce horsepower loss and heat buildup.
- The main hydraulic valve incorporates adjustable flow controls for tilt and auxiliary functions.
- Allows for easy addition of extra functions and simplifies service.
- Controlled lowering speed independent of load speed.

Rugged Engine and Optimal Performance



Reaches

EPA Tier IV
EURO III A/B

Market approved quality of Yanmar, Mitsubishi, Isuzu original engines ensure incomparable performance, durability and excellent fuel efficiency.



Heavy Duty One-Piece Truck Frame

Heavy duty one-piece truck frame, with its welded and formed steel plate design, protects it from impact damage and extends truck's lift span.



New Designed Radiator

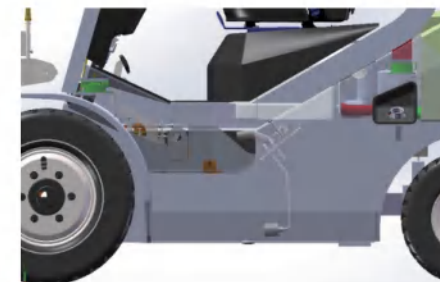
The new downsize water room of radiator reduces thickness of water conduits and extends wave length to increase ventilation and air flow rates.



Multifunctional Dashboard

The newly designed dashboard is installed with larger screen and constant status is noticeable.

Reposition of hydraulic pipelines around the fuel tank and the enhanced cooling system increase ventilation, and make it easier to keep the high temperature of engine and oil in control, even in the harshest working environments.



Advanced Safety



Strong Overhead Guard

Exceeding CE or ANSI regulations, the overhead guard offers optimal protection combined with excellent all-around visibility and reduces potential danger.



Excellent Visibility for Safe Operation

Optimized lift cylinder arrangement provides operator with wider visibility, the panoramic mirror expands the driver's view when backing up.



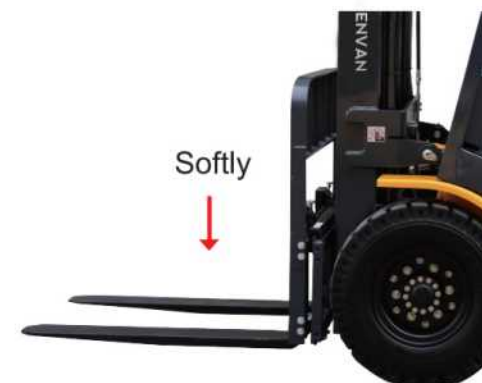
Parking Brake

Toggle type parking brake requires less effort from the operator to set.



Fork Safety Features

When the forks are being lowered, a down-control valve maintains the controlled speed. The down-safety valve prevents forks from dropping down in case of sudden damage of hydraulic line.



OPS Operator Presence Sensor (Optional)

This comprehensive safety system includes a seat-actuated power interrupt with mast-lock, automatically preventing lift and tilt operations if the operator leaves the seat.



Optimized Ergonomics



The Latest Anti-Vibration and Shock Absorbing System

The anti-vibration rubber is installed between the guard and truck frame to reduce the source of vibration and noise while driving. This will not only reduce operator's fatigue but will also increase safety.



Steering Adjuster

To achieve a comfortable drive position, the angle of the steering column can easily be adjusted. The steering wheel can be adjusted by a lever on the left-hand side to improve operator's comfort.



Superior Comfort from Suspension Design

The suspension cab and seat design reduces travel vibration by 30%, so the operator feels less fatigue and greater comfort during the operations.



Steering Wheel



Ergonomically Positioned Pedals

Based on human engineering, the accelerator, brake and inching pedals are optimally positioned for operator's convenience and reduce operator's fatigue.



Fuel Cap

Manufactured from durable, long life materials and made for proper sealing and venting.



Switch and buzzer

Hazard lights switch and reverse buzzer



Lower Entrance Height

The lower entrance height ensures easy and safe access for the operator. Wide open step offers convenience and safety when entering and exiting truck.



Comfortable Seat

Great comfort is offered to the driver by a suspension seat with weight adjuster.



Engine Hood

Secure your engine bay and fasten the vehicle hood not to be lifted.

Fast and Easy
Maintenance



Wide Opening Engine Hood
Easily accessible engine compartment assures fast and efficient maintenance.



Easy Change of Air Cleaner
The air filter is readily accessible for cleaning or replacement.

Quick and Easy Engine Oil Check

The meter and warning indicator panels provide vital and operational data that include.

Charging Instruction

Oil Pressure Instruction

Oil-Water Separation

Fuel Gauge

Hour Meter

Neutral Gear Direction

Preheat Instruction

Oil Filter Instruction

Water Temperature Gauge (Warning-Red)



Easy Gas Tank Change
The LPG cylinder is easily installed and the swing down bracket makes the operator remove the tank in a lower position with minimal effort.



Easy Maintenance Oil Check
The T/M oil level can be checked easily without any disassembly.

1.5 - 1.8T MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity		Overall Height(mm)			Free Lift(mm)		Tilt Angle(Single)	Tilt Angle (Double)
					Lowered	Extended		Without Backrest	With Backrest		
						Without Backrest	With Backrest				
						1.5T	1.8T	1.5T/1.8T			
Wide view mast	M300	3000	1500	1800	2025	3575	4055	100	100	6-12	6-12
	M330	3300	1500	1800	2175	3875	4355	100	100	6-12	6-12
	M400	4000	1500	1750	2575	4575	5055	100	100	6-6	*6-12
	M450	4500	1250	1550	2825	5075	5555	100	100	6-6	*6-12
	M470	4700	1100	1400	2925	5275	5755	100	100	6-6	*6-12
	M500	5000	950	1050	3125	5575	6055	100	100	6-6	*6-6
2-Stage Full Free	FM300	3000	1500	1800	2025	3570	4050	1460	980	6-12	*6-12
Wide view mast	FM330	3300	1500	1800	2175	3920	4400	1610	1130	6-12	*6-12
	FM400	4000	1500	1800	2625	4570	5050	2000	1580	6-6	*6-12
3-Stage Full Free Wide view mast	TFM400	4000	1500	1800	1925	4570	5035	1300	900	6-6	*6-6
	TFM450	4500	1200	1500	2075	5070	5535	1500	1050	6-6	*6-6
	TFM470	4700	1180	1400	2125	5270	5735	1565	1100	6-6	*6-6
	TFM500	5000	900	1200	2225	5570	6035	1665	1200	6-6	*6-6
	TFM550	5500	800	1000	2425	6070	6535	1800	1400	3-6	*3-6
	TFM600	6000	600	700	2625	6570	7035	2000	1600	3-6	*3-6

Note: With Separated Side Shifter, loading capacity subtract 150kg. With Integrated Side Shifter, loading capacity subtract 50kg.

2.0 - 2.5T MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity				Overall Height(mm)			Free Lift(mm)		Tilt Angle(Single)	Tilt Angle(Double)
							Lowered	Extended		Without Backrest	With Backrest		
			FD20/FD20T	FD20/FD20T(Double)	FD25/FD25T	FD25/FD25T(Double)		2.0/2.5T					
Wide view mast	M300	3000	2000	2000	2500	2500	2055	3580	4070	100	100	6-12	6-12
	M330	3300	2000	2000	2500	2500	2205	2880	4370	100	100	6-12	6-12
	M400	4000	2000	2000	2450	2450	2605	4580	5070	100	100	6-6	*6-12
	M450	4500	1800	*1900	2000	*2400	2855	5080	5570	100	100	6-6	*6-12
	M470	4700	1450	*1850	1750	*2050	2955	5280	5770	100	100	6-6	*6-12
	M500	5000	1300	*1700	1600	*2100	3155	5580	6070	100	100	6-6	*6-6
	M550	5500	1100	*1500	1350	*1700	3405	6080	6570	100	100	3-6	*3-6
	M600	6000	950	*1300	1050	*1500	3655	6580	7070	100	100	3-6	*3-6
2-Stage Full Free	FM300	3000	2000	2000	2500	2500	2070	3605	4068	1470	1007	6-12	6-12
Wide view mast	FM370	3700	2000	2000	2500	2500	2420	4255	4718	1800	1357	6-6	6-6
	FM400	4000	2000	2000	2500	2500	2670	4605	5068	2000	1607	6-6	*6-12
3-Stage Full Free Wide view mast	TFM450	4500	1700	*1800	2000	*2300	2095	5107	5570	1498	1035	6-6	*6-6
	TFM470	4700	1600	*1750	1900	*2200	2145	5307	5770	1548	1085	6-6	*6-6
	TFM500	5000	1400	*1600	1500	*2000	2245	5607	6070	1648	1185	6-6	*6-6
	TFM550	5500	1100	*1500	1200	*1800	2445	6107	6570	1800	1385	3-6	*3-6
	TFM600	6000	800	*1400	850	*1600	2645	6607	7070	2000	1585	3-6	*3-6
	TFM650	6500	500	*1100	550	*1200	2895	7107	7570	2200	1835	3-6	*3-6
	TFM700	7000	100	*700	150	*800	3095	7607	8070	2300	2035	3-6	*3-6

Note: 1. With Separated Side Shifter, loading capacity subtract 200kg. With Integrated Side Shifter, loading capacity subtract 50kg.
2. *(Asterisk) is for double front wheels model.

3.0 - 3.5T MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity				Overall Height(mm)			Free Lift(mm)		Tilt Angle(Single)	Tilt Angle(Double)
							Lowered	Extended		Without Backrest	With Backrest		
			FD30/FD30T	FD30/FD30T(Double)	FD35/FD35T	FD35/FD35T(Double)		3,0/3,5T	3,0/3,5T				
Wide view mast	M300	3000	3000	3000	3500	3500	2070	3595	4070	100	100	6-12	6-12
	M330	3300	3000	3000	3500	3500	2220	3895	4370	100	100	6-12	6-12
	M370	3700	3000	3000	3400	3400	2420	4295	4770	100	100	6-6	6-6
	M400	4000	2950	2950	3250	3250	2620	4595	5070	100	100	6-6	*6-12
	M450	4500	2600	*2900	2900	*3000	2870	5095	5570	100	100	6-6	*6-12
	M470	4700	2500	2800	2800	2900	2970	5295	5770	100	100	6-6	*6-12
	M500	5000	2200	*2550	2400	*2800	3170	5595	6070	100	100	6-6	*6-6
	M550	5500	2000	*2400	2200	*2600	3420	6095	6570	100	100	3-6	*3-6
	M600	6000	1500	*2000	1600	*2400	3670	6595	7070	100	100	3-6	*3-6
2-Stage Full Free Wide view mast	FM300	3000	3000	3000	3500	3500	2070	3590	4065	1382	907	6-12	6-12
	FM330	3300	3000	3000	3500	3500	2220	3940	4415	1532	1057	6-12	6-12
	FM370	3700	3000	3000	3500	3500	2420	4240	4715	1732	1257	6-6	6-6
	FM400	4000	3000	3000	3250	*3500	2670	4590	5065	1982	1507	6-6	*6-12
3-Stage Full Free Wide view mast	TFM450	4500	2600	*2800	2800	*3200	2110	5200	6575	1422	947	6-6	*6-6
	TFM470	4700	2400	*2700	2500	*3000	2160	5400	5875	1472	997	6-6	*6-6
	TFM500	5000	2100	*2400	2300	*2800	2260	5700	6175	1572	1097	6-6	*6-6
	TFM550	5500	1650	*2250	1800	*2550	2460	6500	6675	1772	1297	3-6	*3-6
	TFM600	6000	1200	*2100	1300	*2300	2660	6700	7175	1972	1497	3-6	*3-6
	TFM650	6500	950	*1700	1050	*1800	2910	7200	7675	2200	1747	3-6	*3-6
	TFM700	7000	650	*1400	750	*1500	3110	7700	8175	2300	1947	3-6	*3-6

Note: 1. With Separated Side Shifter, loading capacity subtract 200kg. With Integrated Side Shifter, loading capacity subtract 50kg.
2. *(Asterisk) is for double front wheels model.

N Series Internal Combination

Diedel Forklift 1.5t-3.5t Main Specifications

General	1	Manufacturer	ZENVAN						
	2	Model		FD15T	FD18T	FD20T	FD25T	FD30T	FD35T
	3	Power Type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
	4	Rated Load Capacity	Q(kg)	1500	1800	2000	2500	3000	3500
	5	Load Centre	C(mm)	500	500	500	500	500	500
Characteristic & Dimension	6	Rated Lift Height	Fh(mm)	3000	3000	3000	3000	3000	3000
	7	Free Lift Height	H2(mm)	100	100	100	100	100	100
	8	Fork Size (LxWxT)	mm	920*120*35	920*120*35	1070*120*40	1070*120*40	1070*125*45	1070*125*45
	9	Mast Tilt Angle (F/R, α° / β°)	deg	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°
	10	Fork Overhang (Wheel Center to Fork Face)	X1(mm)	409	409	479	479	484	484
	11	Rear Overhang	X2(mm)	470	470	520	520	595	635
	12	Ground Clearance (Bottom of Mast)	H7(mm)	110	110	130	130	145	145
	13	Length to Face of Fork (Without Fork)	L1(mm)	2285	2285	2660	2660	2700	2775
	14	Overall Width	B1(mm)	1082	1082	1150	1150	1225	1225
	15	Mast Lowered Height	H1 (mm)	2025	2025	2055	2055	2070	2070
	16	Mast Extended Height (With Backrest)	H4(mm)	4055	4055	4070	4070	4070	4070
	17	Overhead Guard Height	H5(mm)	2160	2160	2215	2215	2235	2235
	18	Turning Radius (Outside)	Wa(mm)	2100	2100	2365	2365	2425	2500
	19	MirtAisle width for pallets	Ast(mm)	3700	3700	4120	4120	4180	4255
Performance	20	Travel Speed (No Load)	km/h	14.5	14.5	19	19	19	19
	21	Lifting Speed (Full Load)	mm/sec	560	560	510	510	430	400
	22	Lowering Speed (Full Load)	mm/sec	450	450	450	450	450	450
	23	Max.Drawbar Pull (Full Load)	KN	17 (14.5)	17 (14.5)	17 (14.5)	17 (14.5)	16(15.7)	16(15.7)
	24	Max.Gradeability (Full Load)	%	20	20	20	20	20	20
Tyre	25	Tyre(Front×2)	mm	6.5-10-10PR	6.5-10-10PR	7-12-12PR	7-12-12PR	28×9-15-12PR	28×9-15-12PR
	26	Tyre(Rear×2)	mm	5-8-10PR	5-8-10PR	6-9-10PR	6-9-10PR	6.5-10-10PR	6.5-10-10PR
Weight	27	Total Weight	kg	2860	2990	3385	3605	4460	4775
	28	Front Axle Weight Distribution (Full Load)	kg	3815	4120	4846	5494	6714	6997
	29	Rear Axle Weight Distribution (Full Load)	kg	545	720	538	610	746	777
	30	Front Axle Weight Distribution (No Load)	kg	1200	1170	1354	1442	1784	1910
	31	Rear Axle Weight Distribution (No Load)	kg	1660	1820	2031	2163	2676	2865
Power & Transmission	32	Battery	V/Ah	12/90	12/90	12/90	12/90	12/90	12/90
	33	Fuel Tank Capacity	L	50	50	50	50	50	50
	34	Operating Pressure (For Attachments)	Mpa	14.5	14.5	17.5	17.5	17.5	17.5

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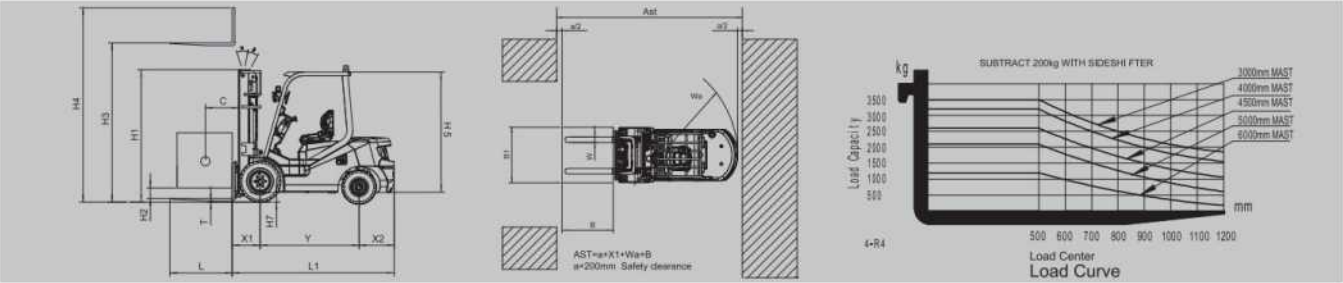
ENGINE

XINCHAI	ISUZU	MITSUBISHI	GCT	KUBOTA
Model:C490BPG -37 (EUIII) Rated output:36.8KW/2650RPM Rated torque:156N.M/1800RPM No.of cylinder:4 Bore x Stroke:90×105MM Displacement:2.67L	Model:C240NKFC-01 (EUIII) Rated output:35.4KW/2500RPM Rated torque:139N.M/1800RPM No.of cylinder:4 Bore x Stroke:86*102MM Displacement:2.396L	Model:S4S (EUIII) Rated output:35.3KW/2250RPM Rated torque:177N.M/1700RPM No.of cylinder:4 Bore x Stroke:94x120MM Displacement:3.331L	Model:GK25 Rated output:44.2KW/2500RPM Rated torque:186.2N.M/1600RPM No.of cylinder:4 Bore x Stroke:92*93MM Displacement:2.472L	Model:V2403-CR-TE5 (EUV) Rated output:48.6(65.1)KW/2700RPM Rated torque:198.5N.M/1600RPM No.of cylinder:4 Bore x Stroke:87.0*102.4MM Displacement:2.434L

Gasoline&LPG Forklift 1.5t-3.5t Main Specifications

General	1	Manufacturer	ZENVAN						
	2	Model		FD15T FGL15T	FD18T FGL18T	FD20T FGL20T	FD25T FGL25T	FD30T FGL30T	FD35T FGL35T
	3	Power Type		LPG	LPG	LPG	LPG	LPG	LPG
	4	Rated Load Capacity	Q(kg)	1500	1800	2000	2500	3000	3500
	5	Load Centre	C(mm)	500	500	500	500	500	500
Characteristic & Dimension	6	Rated Lift Height	Fh(mm)	3000	3000	3000	3000	3000	3000
	7	Free Lift Height	H2(mm)	100	100	100	100	100	100
	8	Fork Size (LxWxT)	mm	920*120*35	920*120*35	1070*120*40	1070*120*40	1070*125*45	1070*125*45
	9	Mast Tilt Angle (F/R, α° / β°)	deg	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°
	10	Fork Overhang (Wheel Center to Fork Face)	X1(mm)	409	409	479	479	484	484
	11	Rear Overhang	X2(mm)	470	470	520	520	595	635
	12	Ground Clearance (Bottom of Mast)	H7(mm)	110	110	130	130	145	145
	13	Length to Face of Fork (Without Fork)	L1(mm)	2285	2285	2660	2660	2700	2775
	14	Overall Width	B1(mm)	1082	1082	1150	1150	1225	1225
	15	Mast Lowered Height	H1 (mm)	2025	2025	2055	2055	2070	2070
	16	Mast Extended Height (With Backrest)	H4(mm)	4055	4055	4070	4070	4070	4070
	17	Overhead Guard Height	H5(mm)	2160	2160	2215	2215	2235	2235
	18	Turning Radius (Outside)	Wa(mm)	2100	2100	2365	2365	2425	2500
	19	MirtAisle width for pallets	Ast(mm)	3700	3700	4120	4120	4180	4255
Performance	20	Travel Speed (No Load)	km/h	14.5	14.5	19	19	19	19
	21	Lifting Speed (Full Load)	mm/sec	560	560	510	510	430	400
	22	Lowering Speed (Full Load)	mm/sec	450	450	450	450	450	450
	23	Max.Drawbar Pull (Full Load)	KN	17 (14.5)	17 (14.5)	17 (14.5)	17 (14.5)	16(15.7)	16(15.7)
	24	Max.Gradeability (Full Load)	%	20	20	20	20	20	20
Tyre	25	Tyre(Front×2)	mm	6.5-10-10PR	6.5-10-10PR	7-12-12PR	7-12-12PR	28×9-15-12PR	28×9-15-12PR
	26	Tyre(Rear×2)	mm	5-8-10PR	5-8-10PR	6-9-10PR	6-9-10PR	6.5-10-10PR	6.5-10-10PR
Weight	27	Total Weight	kg	2860	2990	3385	3605	4460	4775
	28	Front Axle Weight Distribution (Full Load)	kg	3815	4120	4846	5494	6714	6997
	29	Rear Axle Weight Distribution (Full Load)	kg	545	720	538	610	746	777
	30	Front Axle Weight Distribution (No Load)	kg	1200	1170	1354	1442	1784	1910
	31	Rear Axle Weight Distribution (No Load)	kg	1660	1820	2031	2163	2676	2865
Power & Transmission	32	Battery	V/Ah	12/90	12/90	12/90	12/90	12/90	12/90
	33	Fuel Tank Capacity	L	50	50	50	50	50	50
	34	Operating Pressure (For Attachments)	Mpa	14.5	14.5	17.5	17.5	17.5	17.5

Specifications and characteristics are subject to change without notice. Please contact is for detailed information.
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Diesel Forklift Truck
capacity 4,000 to 5,000kg

MAST SPECIFICATIONS & RATED CAPACITIES

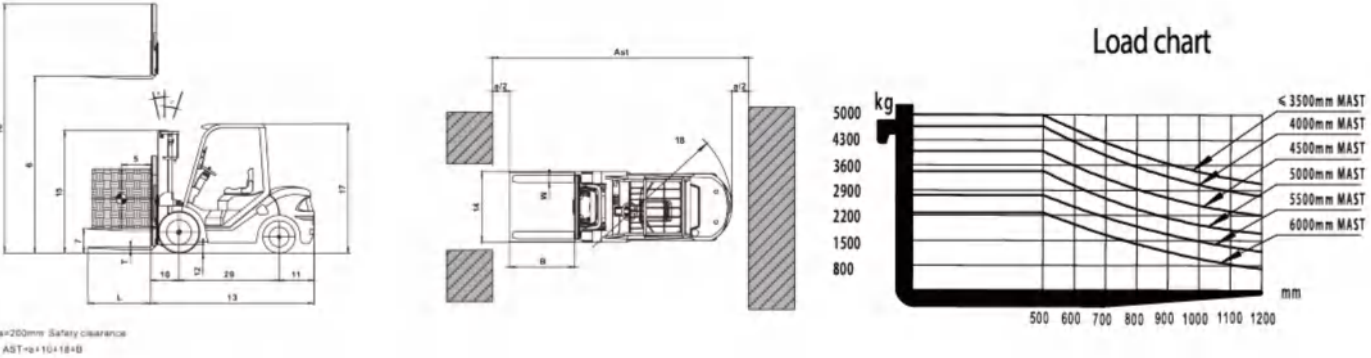
Mast	Mast	Max. Fork Height	Load Capacity (Load Centre 500mm) (kg)						Overall Height (mm)			Free Lift (mm)		Tilt Angle (F/R)°	Total Weight (kg)			
									Lowered	Extended		Without Backrest	With Backrest					
										Without Backrest	With Backrest							
	Name																	
Type		(mm)	4.0t (Single)	4.0t (Double)	4.5t (Single)	4.5t (Double)	5.0t (Single)	5.0t (Double)	4.0t/4.5t/5.0t			4.0t/4.5t/5.0t				4.0t	4.5t	5.0t
Wide view mast	RM300	3000	4000	-4200	4500	-4750	5000	-5300	2260	3735	4266	84	84	6-12	6600	6800	7100	
	RM330	3300	4000	-4200	4500	-4750	5000	-5300	2410	4035	4566	84	84	6-12	6680	6880	7180	
	RM350	3500	4000	-4200	4500	-4750	5000	-5300	2510	4235	4766	84	84	6-12	6750	6930	7230	
	RM370	3700	4000	-4200	4500	-4750	4550	-5150	2610	4435	4966	84	84	6-12	6800	6980	7280	
	RM400	4000	4000	-4200	4500	-4750	4650	-4850	2810	4735	5266	84	84	6-6	7000	7200	7500	
	RM430	4300	3800	-4000	4200	-4450	4300	-4600	2960	5035	5566	84	84	6-6	7100	7350	7650	
	RM450	4500	3600	-3800	4000	-4250	4200	-4500	3060	5235	5766	84	84	6-6	7200	7420	7720	
	RM470	4700	3300	-3500	3700	-3950	3800	-4100	3160	5435	5966	84	84	6-6	7250	7450	7750	
	RM500	5000	3000	-3200	3500	-3750	3650	-3900	3310	5735	6266	84	84	6-6	7300	7500	7800	
	RM550	5500	2300	-2500	2700	-2950	2800	-3100	3560	6235	6766	84	84	3-6	7550	7750	8000	
RM600	6000	2000	-2200	2400	-2650	2500	-2800	3860	6735	7266	84	84	3-6	7700	7900	8200		
3-Stage Full Free	TFM400	4000	3800	-4000	4300	-4550	4600	-4900	2205	4659	5190	1379	1100	6-6	7450	7650	7950	
	TFM430	4300	MOQ	-3600	3910	-4050	4100	-4400	2320	5004	5535	1494	1125	6-6	7650	7850	8150	
	TFM450	4500	3300	-3500	3700	-3950	4000	-4300	2370	5154	5685	1544	1175	6-6	7750	7950	8250	
Wide view mast	TFM470	4700	3000	-3200	3300	-3500	3600	-3900	2435	5349	5880	1609	1240	6-6	7800	8000	8300	
	TFM500	5000	2800	-3000	3100	-3350	3400	-3700	2535	5649	6180	1709	1340	6-6	7860	8060	8360	
	TFM550	5500	2300	-2500	2600	-2850	2900	-3200	2700	6144	6675	1874	1430	>6	7960	8160	8460	
	TFM600	6000	1800	-2000	2000	-2250	2300	-2600	2970	6654	7185	2044	1775	>6	8060	8260	8560	

With Separated Side Shifter, loading capacity subtract 200kg. With Integrated Side Shifter, loading capacity subtract 100kg.
*(Asterisk) is for double front wheel model.

MAIN SPECIFICATION

General	1	Manufacturer	ZENVAN								1
	2	Model		FD40T-NGP2	FD40T-NJM2	FD45T-NGP2	FD45T-NJM2	FD50T-XNGP2	FD50T-XNJM2		2
Characteristic & Dimension	3	Power Type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel		3
	4	Rated Load Capacity	Q(kg)	4000	4000	4500	4500	5000	5000		4
	5	Load Centre	C(mm)	500	500	500	500	500	500		5
	6	Rated Uft Height	H3(mm)	3000	3000	3000	3000	3000	3000		6
	7	Free Lift Height	H2(mm)	84	84	84	84	84	84		7
	8	Fork Size (LxWxT)	mm	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50	1070x150x50		8
	9	Mast Tilt Angle (F/R, α° / β°)	deg	6° / 12°	6° / 12°	6° / 12°	6° / 12°	6° / 12°	6° / 12°		9
	10	Fork Overhang (Wheel Center to Fork Face)	X1(mm)	578	578	578	578	578	578		10
	11	Rear Overhang	X2(mm)	550	550	570	570	614	614		11
	12	Ground Clearance (Bottom of Mast)	H1(mm)	175	175	175	175	175	175		12
	13	Length to Face of Fork (Without Fork)	L1(mm)	3091	3091	3091	3091	3125	3125		13
	14	Overall Width	B1 (mm)	1485	1485	1485	1485	1485	1485		14
	15	Mast Lowered Height	H1 (mm)	2260	2260	2260	2260	2260	2260		15
	16	Mast Extended Height (With Backrest)	H4(mm)	4266	4266	4266	4266	4266	4266		16
	17	Overhead Guard Height	Hs(mm)	2240	2240	2240	2240	2240	2240		17
	18	Turning Radius (Outside)	Wa(mm)	2790	2790	2790	2790	2830	2830		18
	19	MirtAisle width for pallets	Ast(mm)	4640	4640	4640	4640	4680	4680		19
Performance	20	Travel Speed (No Load)	km/h	22	22	22	22	22	22		20
	21	Lifting Speed (Full Load)	mm/sec	450	450	450	450	430	430		21
	22	Lowering Speed (Full Load)	mm/sec	480	480	480	480	480	480		22
	23	Max.Drawbar Pull (Full Load)	KN	>21	>21	>21	>21	>21	>21		23
	24	Max.Gradeability (Full Load)	%	0	0	0	0	0	0		24
Chassis	25	Tyre (Front x 2)	mm	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR	300-15-18PR		25
	26	Tyre (Rearx 2)	mm	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR		26
	27	Front Tread	B2(mm)	1180	1180	1180	1180	1180	1180		27
	28	Rear Tread	B3(mm)	1190	1190	1190	1190	1190	1190		28
	29	Wheel base	Y(mm)	2000	2000	2000	2000	2000	2000		29
Weight	30	Total Weight	kg	6600	6600	6800	6800	7100	7100		30
	31	Front Axle Weight Distribution (Full Load)	kg	9010	9010	9750	9750	10500	10500		31
	32	Rear Axle Weight Distribution (Full Load)	kg	1590	1590	1550	1550	1600	1600		32
	33	Front Axle Weight Distribution (No Load)	kg	2750	2750	2710	2710	2680	2680		33
	34	Rear Axle Weight Distribution (No Load)	kg	3850	3850	4090	4090	4420	4420		34
Power & Transmission	35	Battery	V/Ah	24/80	24/80	24/80	24/80	24/80	24/80		35
	36	Engine Model		CA4110/125TG2	S6S	CA4110/125TG2	S6S	CA4110/125TG2	S6S		36
	37	Engine Manufacturer		XICHA	MITSUBISHI	XICHA	MITSUBISHI	XICHA	MITSUBISHI		37
	38	Rated Output / r.p.m.	kw	61/2200	52/2300	61/2200	52/2300	61/2200	52/2300		38
	39	No.of Cylinder		4	4	4	4	4	4		39
	40	Fuel Tank Capacity	L	90	90	90	90	90	90		40
	41	Transmission Type		Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic		41
	42	Transmission Stage (FWD/RVS)		2/1	2/1	2/1	2/1	2/1	2/1		42
	43	Operating Pressure (For Attachments)	Mpa	19	19	19	19	19	19		43

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Diesel Forklift Truck
capacity 5,000 to 7,000kg



MAIN SPECIFICATION

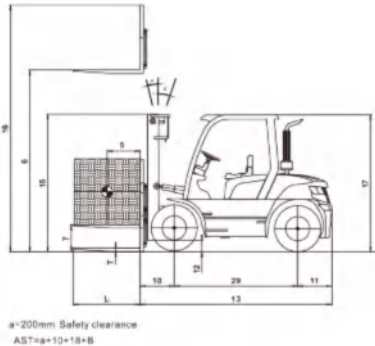
General	1	Manufacturer			ZENVAN												1
	2	Internal Engine Code															2
General	3	Model															3
	4	Power Type															4
	5	Rated Load Capacity															5
	6	Load Centre															6
	7	Rated Lift Height															7
Characteristic & Dimension	8	Free Lift Height															8
	9	Fork Size (LxWxT)															9
	10	Mast Tilt Angle (F/R, α° / β°)															10
	11	Fork Overhang (Wheel Center to Fork Face)															11
	12	Rear Overhang															12
	13	Ground Clearance (Bottom of Mast)															13
	14	Length to Face of Fork (Without Fork)															14
	15	Overall Width															15
	16	Mast Lowered Height															16
	17	Mast Extended Height (With Backrest)															17
	18	Overhead Guard Height															18
	19	Turning Radius (Outside)															19
	20	MirtAiste width for pallets															20
Performance	21	Travel Speed (No Load)															21
	22	Lifting Speed (Full Load)															22
	23	Lowering Speed (Full Load)															23
	24	Max.Drawbar Pull (Full Load)															24
	25	Max.Gradeability (Full Load)															25
Chassis	26	Tyre (Front x4)															26
	27	Tyre (Rearx 2)															27
	28	Front Tread															28
	29	Rear Tread															29
	30	Wheel base															30
Weight	31	Total Weight															31
	32	Front Axle Weight Distribution (Full Load)															32
	33	Rear Axle Weight Distribution (Full Load)															33
	34	Front Axle Weight Distribution (No Load)															34
	35	Rear Axle Weight Distribution (No Load)															35
Power & Transmission	36	Battery															36
	37	Engine Model															37
	38	Engine Manufacturer															38
	39	Rated Output / r.p.m.															39
	40	Rated Torque/r.p.m.															40
	41	No.of Cylinder															41
	42	Displacement															42
	43	Fuel Tank Capacity															43
	44	Transmission Type															44
	45	Transmission Stage (FWD/RVS)															45
	46	Operating Pressure (For Attachments)															46
	47																47

Specifications and characteristics are subject to change without notice. Please contact is for detailed information.
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MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height	Load Capacity (Load Centre 600mm) (kg)			Overall Height (mm)						Free Lift (mm)				Tilt Angle (F/R)	Total Weight (kg)		
						Lowered	Extended		Lowered	Extended		Without Backrest	With Backrest	Without Backrest	With Backrest				
			Without Backrest	With Backrest	Without Backrest		With Backrest												
		(mm)	5.0t	6.0t	7.0t	5.0t/6.0t			7.0t			5.0t/6.0t		7.0t		5.0t	6.0t	7.0t	
Wide view mast	M300	3000	5000	6000	7000	2515	3967	4437	2615	4067	4437	152	152	152	152	6-12	7980	8640	9350
	M330	3300	5000	6000	7000	2665	4267	4737	2765	4367	4737	152	152	152	152	6-12	8025	8685	9395
	M350	3500	5000	6000	7000	2765	4467	4937	2865	4567	4937	152	152	152	152	6-12	8055	8715	9425
	M3 70	3700	5000	6000	7000	2890	4667	5137	2990	4767	5187	152	152	152	152	6-12	8095	8750	9460
	M400	4000	5000	6000	7000	3065	4967	5437	3165	5067	5437	152	152	152	152	6-12	8145	8805	9515
	M430	4300	5000	6000	7000	3165	5267	5737	3265	5367	5637	152	152	152	152	6-12	8175	8835	9545
	M450	4500	5000	6000	7000	3315	5467	5937	3415	5567	5937	152	152	152	152	6-12	8315	8975	9685
	M470	4700	5000	6000	7000	3440	5667	6137	3540	5767	6187	152	152	152	152	6-6	8350	9010	9720
	M500	5000	5000	6000	7000	3565	5967	6437	3665	6067	6437	152	152	152	152	6-6	8390	9050	9760
	M550	5500	4750	5700	6600	3865	6467	6937	3965	6567	6937	152	152	152	152	3-6	8570	9230	9940
3-Stage Full Free Wide view mast	M600	6000	4400	5400	6400	4115	6967	7437	4215	7067	7437	152	152	152	152	3-6	8645	9305	10015
	TFM400	4000	5000	6000	7000	2510	5112	5437	2610	5112	5437	1378	1065	1378	1165	6-6	8540	9200	9895
	TFM430	4300	4500	5600	6500	2625	5412	5737	2725	5412	5737	1494	1180	1494	1280	6-6	8560	9220	9950
	TFM450	4500	4500	5600	6000	2675	5612	5937	2775	5612	5937	1544	1230	1544	1330	6-6	8580	9240	9970
	TFM470	4700	4500	5600	6000	2775	5812	6137	2875	5812	6137	1644	1330	1644	1430	6-6	8625	9285	10015
	TFM500	5000	4500	5600	6000	2840	6112	6437	2940	6112	6437	17C8	1395	1708	1495	3-6	8720	9380	10110
	TFM550	5500	4200	5300	6300	3005	6612	6937	3105	6612	6937	1874	1560	1874	1660	3-6	8795	9455	10185
	TFM600	6000	4000	5000	6000	3220	7112	7437	3320	7112	7437	2044	1775	2044	1875	3-6	8885	9545	10275

With Separated Side Shifter, loading capacity subtract 350kg. With Integrated Side Shifter, loading capacity subtract 100kg.
Double front wheels are standard.





Diesel Forklift Truck
capacity 8,000 to 10,000kg

MAST SPECIFICATIONS & RATED CAPACITIES

Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity (Load Centre 600mm) (kg)	Overall Height (mm)		Free Lift (mm)	Tilt Angle (F/R)°	Total Weight (kg)
				Lowered	Extended			
			8.0t	8.0t		8.0t		8.0t
Wide view mast	M300	3000	8000	2695	4130	120	6-12	11850
	M350	3500	8000	2945	4630	120	6-12	11945
	M400	4000	8000	3245	5180	120	6-12	12190
	M450	4500	8000	3495	5680	120	6-12	12280
	M500	5000	7750	3745	6180	120	6-6	12375
	M550	5500	7400	4045	6730	120	3-6	12620
	M600	6000	7000	4295	7230	120	3-6	12715

Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity (Load Centre 600mm) (kg)		Overall Height (mm)		Free Lift (mm)	Tilt Angle (F/R)	Total Weight (kg)	
					Lowered	Extended				
			FD90T	FD100T	9.0t/	10.0t	9.0t/10.0t		FD90T	FD100T
Wide view mast	M250	2500	9050	10000	2595	3785	140	6-12	12105	12805
	M300	3000	9050	10000	2845	4285	140	6-12	12200	12900
	M330	3300	9050	10000	2995	4585	140	6-12	12255	12955
	M350	3500	9050	10000	3095	4785	140	6-12	12295	12995
	M400	4000	9050	10000	3395	5320	140	6-12	12540	13240
	M450	4500	8050	10000	3645	5820	140	6-6	12630	13330
	M470	4700	8050	10000	3770	6070	140	6-6	12680	13380
	M500	5000	8050	10000	3895	6320	140	6-6	12725	13425
3-Stage Full Free Wide view mast	M550	5500	8030	9000	4195	6870	140	3-6	12970	13670
	M600	6000	8015	8000	4445	7370	140	3-6	13065	13765
	TFM400	4000	7800	8000	2695	5335	1325	6-12	12845	13545
	TFM430	4300	7800	8000	2815	5695	1445	6-12	12910	13610
	TFM450	4500	7800	8000	2865	5845	1495	6-12	12950	13650
	TFM470	4700	7200	7500	2965	6145	1595	6-6	13010	13710
	TFM500	5000	7200	7500	3030	6M0	1660	6-6	13035	13735
	TFM550	5500	6800	7000	3220	6760	1850	3-6	13160	13860
	TFM600	6000	6000	6000	3420	7360	2050	3-6	13415	14115

With Integrated Side Shifter, loading capacity subtract 200kg.

Double front wheels are standard.

MAIN SPECIFICATION

General	1	Manufacturer	ZENVAN									1	
	2	Internal Engine Code										2	
	3	Model	NGH1			NJB3			NGP1			3	
	4	Power Type	FD80T	FD90T	FD100T	FD80T	FD90T	FD100T	FD80T	FD90T	FD100T	4	
5	Rated Load Capacity	Q(kg)	8000	9000	10000	8000	9000	10000	8000	9000	10000	5	
6	Load Centre	C(mm)	600	600	600	600	600	600	600	600	600	6	
Characteristic & Dimension	7	Rated Lift Height	Fh(mm)	3000	3000	3000	3000	3000	3000	3000	3000	3000	7
	8	Free Lift Height	H2(mm)	120	120	120	120	120	120	120	120	120	8
	9	Fork Size (LxWxT)	mm	1220x175x75	1220x175x80		1220x175x75	1220x175x80		1220x175x75	1220x175x80		9
	10	Mast Tilt Angle (F/R, α° / β°)	deg	6° / 12°	6° / 12°	6° / 12°	6° / 12°	6° / 12°	6° / 12°	6° / 12°	6° / 12°	6° / 12°	10
	11	Fork Overhang (Wheel Center to Fork Face)	X1(mm)	721	721	721	721	721	721	721	721	721	11
	12	Rear Overhang	X2(mm)	760	760	760	760	760	760	760	760	760	12
	13	Ground Clearance (Bottom of Mast)	H7(mm)	250	250	250	250	250	250	250	250	250	13
	14	Length to Face of Fork (Without Fork)	L1(mm)	4040	4270	4270	4040	4270	4270	4040	4270	4270	14
	15	Overall Width	B1(mm)	2165	2165	2165	2165	2165	2165	2165	2165	2165	15
	16	Mast Lowered Height	H1 (mm)	2695	2845	2845	2695	2845	2845	2695	2845	2845	16
	17	Mast Extended Height (With Backrest)	H4(mm)	4020	4260	4260	4020	4260	4260	4020	4260	4260	17
	18	Side Shift	X(mm)	340-2000	440-2140	440-2140	340-2000	440-2140	440-2140	340-2000	440-2140	440-2140	18
	19	Overhead Guard Height	H5(mm)	2520	2540	2540	2520	2540	2540	2520	2540	2540	19
Performance	20	Turning Radius (Outside)	Wa(mm)	3700	3900	3900	3700	3900	3900	3700	3900	3900	20
	21	MinAisle width for pallets	Ast(mm)	5845	6045	6045	5845	6045	6045	5845	6045	6045	21
	22	Travel Speed (No Load)	km/h	20	20	20	20	20	20	20	20	20	22
	23	Lifting Speed (Full Load)	mm/sec	380	310	310	380	310	310	380	310	310	23
Chassis	24	Lowering Speed (Full Load)	mm/sec	480	500	500	480	500	500	480	500	500	24
	25	Max.Drawbar Pull (Full Load)	KN	58	57	57	58	57	57	58	57	57	25
	26	Max.Gradeability (Full Load)	%	≤20	≤20	120	≤20	≤20	120	≤20	≤20	120	26
	27	Tyre (Front x4)		8.25-20-14PR	9.00-20-14PR		8.25-20-14PR	9.00-20-14PR		8.25-20-14PR	9.00-20-14PR		27
Weight	28	Tyre (Rearx 2)		8.25-20-14PR	9.00-20-14PR		8.25-20-14PR	9.00-20-14PR		8.25-20-14PR	9.00-20-14PR		28
	29	Front Tread	B2(mm)	1600	1600	1600	1600	1600	1600	1600	1600	1600	29
	30	Rear Tread	B3(mm)	1700	1700	1700	1700	1700	1700	1700	1700	1700	30
	31	Wheel base	Y(mm)	2500	2800	2800	2500	2800	2800	2500	2800	2800	31
Power & Transmission	32	Total Weight	kg	11850	12200	12900	11850	12200	12900	11850	12200	12900	32
	33	Front Axle Weight Distribution (Full Load)	kg	17800	19980	20610	17800	19980	20610	17800	19980	20610	33
	34	Rear Axle Weight Distribution (Full Load)	kg	2050	2220	2290	2050	2220	2290	2050	2220	2290	34
	35	Front Axle Weight Distribution (No Load)	kg	4740	5380	5660	4740	5380	5660	4740	5380	5660	35
Power & Transmission	36	Rear Axle Weight Distribution (No Load)	kg	7110	6820	8240	7110	6820	8240	7110	6820	8240	36
	37	Battery	V/Ah	24/90	24/90	24/90	24/90	24/90	24/90	24/90	24/90	24/90	37
	38	Engine Model		6102BG6			A-6BG1QC			CA4DF3			38
	39	Engine Manufacturer		CHAOCHAI			ISUZU			XICHA1			39
	40	Rated Output / r.p.m.	kw	80.9/2500			82/2000			85/2200			40
	41	Rated Torque/r.p.m.	Nm	353/1650			416/1400-1600			460/1300-1700			41
	42	No.of Cylinder		6	6	6	6	6	6	4	4	4	42
	43	Displacement	L	5.785	5.785	5.785	6.494	64M	6.494	4.75	4.75	4.75	43
	44	Fuel Tank Capacity	L	120	120	120	140	140	140	140	140	140	44
	45	Transmission Type		Hydraulic			Hydraulic			Hydraulic			45
	46	Transmission Stage (FWD/RVS)		2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	46
	47	Operating Pressure (For Attachments)	Mpa	17	17	17	17	17	17	17	17	17	47

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