

**FD50 FD60 FD70 Wide view mast VM**

Mast Model	Load center 600mm			Max. lift height	Mast height		Free lift with backrest			Tilt angle fwd-bwd	Weight with backrest		
	FD50	FD60	FD70		fork lowered	fork lift with backrest	FD50	FD60	FD70		FD50	FD60	FD70
	kg	kg	kg		mm	mm	mm	mm	mm		mm	mm	mm
VM250	5000	6000	7000	3000	2500	4420	205	205	210	6 - 12	8050	8750	9450
VM300	5000	6000	7000	3000	2500	4420	205	205	210	6 - 12	8050	8750	9450
VM330	5000	6000	7000	3300	2650	4720	205	205	210	6 - 12	8100	8800	9500
VM350	5000	6000	7000	3500	2750	4920	205	205	210	6 - 12	8130	8830	9530
VM400	5000	6000	7000	4000	3050	5420	205	205	210	6 - 12	8320	9020	9720
VM450	5000	6000	7000	4500	3300	5920	205	205	210	6 - 12	8410	9110	9810
VM500	5000	6000	7000	5000	3550	6420	205	205	210	6 - 6	8520	9220	9920
VM550	4750	5700	6600	5500	3850	6920	205	205	210	3 - 6	8720	9420	10120
VM600	4400	5400	6400	6000	4100	7420	205	205	210	3 - 6	8800	9500	10200

**FD50 FD60 FD70 2 Stage free lift mast VFM**

Mast Model	Load center 600mm			Max. lift height	Mast height		Free lift with backrest			Tilt angle fwd-bwd	Weight with backrest		
	FD50	FD60	FD70		fork lowered	fork lift with backrest	FD50	FD60	FD70		FD50	FD60	FD70
	kg	kg	kg		mm	mm	mm	mm	mm		mm	mm	mm
VFM210	5000	6000	7000	2100	2175	3520	555	555	555	6 - 12	7881	8581	9281
VFM300	5000	6000	7000	3000	2625	4420	1005	1005	1005	6 - 12	8110	8810	9510
VFM330	5000	6000	7000	3300	2775	4720	1155	1155	1155	6 - 12	8160	8860	9560
VFM350	5000	6000	7000	3500	2875	4920	1255	1255	1255	6 - 12	8190	8890	9590
VFM400	5000	6000	7000	4000	3175	5420	1555	1555	1555	6 - 12	8390	9090	9790

**FD50 FD60 FD70 3 Stage free lift mast VFHM**

Mast Model	Load center 600mm			Max. lift height	Mast height		Free lift with backrest			Tilt angle fwd-bwd	Weight with backrest		
	FD50	FD60	FD70		fork lowered	fork lift with backrest	FD50	FD60	FD70		FD50	FD60	FD70
	kg	kg	kg		mm	mm	mm	mm	mm		mm	mm	mm
VFHM400	4500	5500	6200	4000	2460	5420	913	913	913	6 - 10	8640	9340	10040
VFHM435	4500	5500	6200	4350	2575	5770	1028	1028	1028	6 - 10	8720	9420	10120
VFHM480	4500	5500	6200	4800	2730	6220	1183	1183	1183	6 - 10	8800	9500	10200
VFHM500	4500	5500	6200	5000	2795	6420	1248	1248	1248	6 - 6	8860	9560	10260
VFHM600	4200	5000	5500	6000	3130	7420	1583	1583	1583	3 - 6	9220	9920	10620

**FD80 FD100 FD120 Wide view mast VM**

Mast Model	Load center 600mm			Max. lift height	Mast height			Free lift with backrest	Tilt angle fwd-bwd	Weight with backrest					
	FD80	FD100	FD120		fork lowered	fork lift with backrest				FD80	FD100	FD120			
	kg	kg	kg		mm	mm	mm			mm	mm	mm	mm		
VM300	8000	10000	12000	3000	2620	2850	2870	4540	4330	4350	205	6 - 12	10450	12450	12500
VM350	8000	10000	12000	3500	2870	3100	3120	5040	4830	4850	205	6 - 12	10560	12560	12610
VM400	8000	10000	12000	4000	3170	3400	3420	5540	5330	5350	205	6 - 12	10810	12810	12860
VM450	8000	10000	12000	4500	3420	3650	3670	6040	5330	5850	205	6 - 12	10920	12920	12970
VM500	7800	10000	11500	5000	3670	3900	3920	6540	6330	6350	205	6 - 6	11020	13020	13070
VM550	7400	9000	11000	5500	3970	4200	4220	7040	6830	6850	205	3 - 6	11270	13270	13320
VM600	7000	8000	10000	6000	4220	4450	4470	7540	7330	7350	205	3 - 6	11380	13380	13430
VM650	6500	7200	9000	6500	4470	4700	4720	8040	7830	7850	205	3 - 6	11490	13490	13540

**FD80 FD100 FD120 3 Stage free lift mast VFHM**

Mast Model	Load center 600mm			Max. lift height	Mast height			Free lift with backrest	Tilt angle fwd-bwd	Weight with backrest					
	FD80	FD100	FD120		fork lowered	fork lift with backrest				FD80	FD100	FD120			
	kg	kg	kg		mm	mm	mm			mm	mm	mm	mm		
VFHM360	8000	10000	12000	3600	2450	2592	2612	5020	4825	4845	778	6 - 12	10040	12660	12710
VFHM400	7200	10000	12000	4000	2585	2725	2745	5420	5225	5245	913	6 - 10	10090	12710	12760
VFHM435	7200	9200	11200	4350	2700	2842	2862	5770	5575	5595	1028	6 - 10	10170	12760	12810
VFHM450	7200	9200	11200	4500	2750	2892	2912	5920	5725	5745	1078	6 - 10	10250	12810	12860
VFHM480	7200	9000	11000	4800	2855	2992	3012	6220	6025	6045	1183	6 - 10	10310	12860	12910
VFHM500	7200	8800	10800	5000	2920	3059	3079	6420	6225	6245	1248	3 - 6	10670	12910	12960
VFHM540	7200	8600	10600	5400	3055	3242	3262	6820	6625	6645	1383	3 - 6	10720	12960	13010
VFHM600	6500	8000	10000	6000	3255	3442	3462	7420	7225	7245	1583	3 - 6	10770	13010	13060
VFHM630	6500	7500	9500	6300	3395	3542	3562	7720	7525	7545	1723	3 - 6	10820	13060	13110
VFHM650	6500	7200	9200	6500	3520	3608	3628	7920	7725	7745	1848	3 - 6	10870	13110	13160
VFHM700	6000	6500	8500	7000	3630	3842	3862	8420	8225	8245	1958	3 - 3	10920	13160	13210
VFHM750	6000	6500	8500	7500	3853	4042	4062	8920	8725	8745	2181	3 - 3	10970	13210	13260
VFHM800	5500	6500	8500	8000	4055	4208	4228	9420	9225	9245	2383	3 - 3	11020	13260	13310

TFT'S products and its specifications change without prior notice



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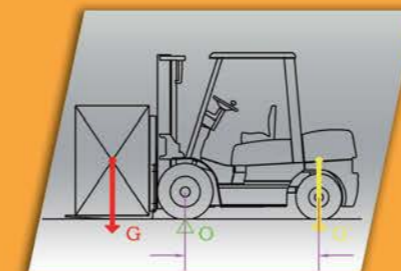
# FD Series 50▶120

# TFT

## Counter Balanced Forklift



### Three Features



**1 New style environmental protection and efficient engine.**

Equipped with powerful and efficient engine, suitable for the latest Chinese II emission standard and Europe III emission standard(S6S-T).



**2 Hydraulic steering system**

Steering system with horizontal cylinder provides with fixable and convenient veer operation and maintainability.



**3 Wide view mast**

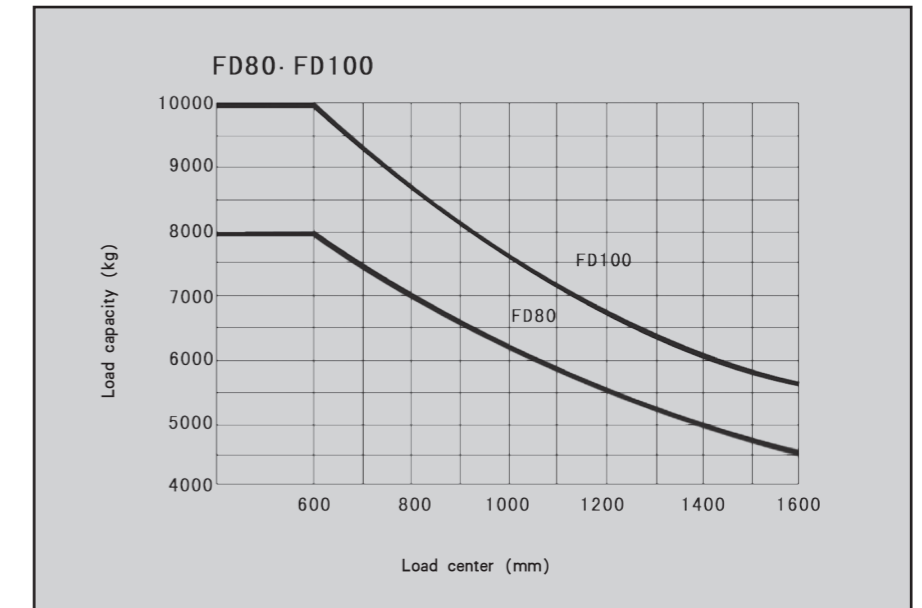
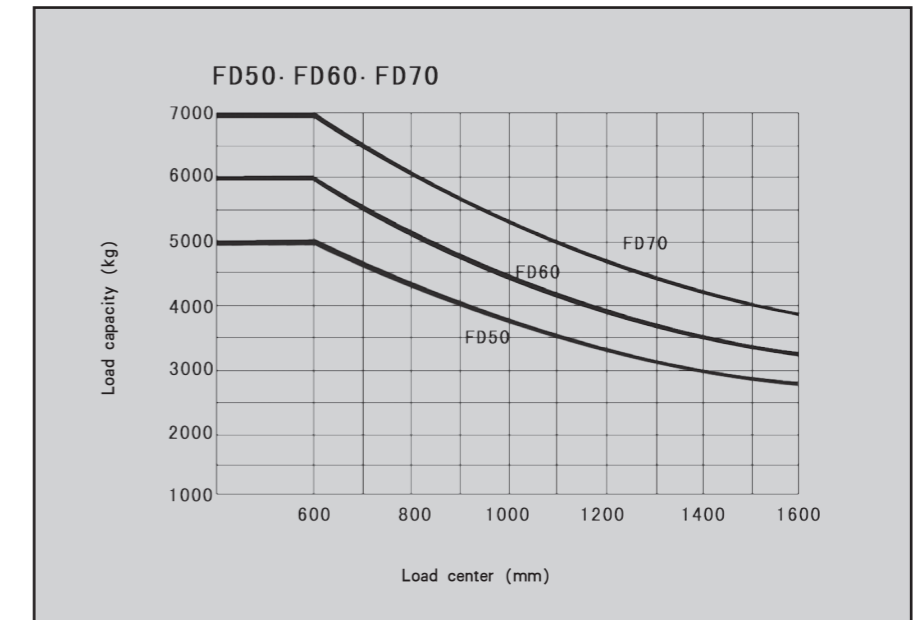
Preminent front operation view with unique designed wide view mast (model VM), makes safer and more reliable operation.

## ■ Main Truck Specifications

Specifications		TFT													
				FD50	FD60	FD70	FD80	FD100	FD120						
1	Manufacturer														
2	Model			FD50	FD60	FD70	FD80	FD100	FD120						
3	Load capacity	kg		5000	6000	7000	8000	10000	12000						
4	Load center	mm		600	600	600	600	600	600						
5	Power unit			diesel	diesel	diesel	diesel	diesel	diesel						
6	Operator type			driver / seat	driver / seat	driver / seat	driver / seat	driver / seat	driver / seat						
7	Tire type	front / rear		pneumatic	pneumatic	pneumatic	pneumatic	pneumatic	pneumatic						
8	Wheels	front / rear		4×2	4×2	4×2	4×2	4×2	4×2						
Dimensions		9	Max.lifting height	mm	3000	3000	3000	3000	3000	3000					
		10	Free lift	mm	205	205	210	205	205	205					
		11	Fork size	L×W×T	mm	1220×150×60	1220×150×60	1220×150×65	1220×170×75	1220×175×80	1220×175×80				
		12	Tilt angle	forward / backward	deg	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12	6 / 12				
		13	Overall length(without fork)	mm		3455	3530	3590	3740	4255	4435				
		14	Total width	mm		1995	1995	1995	1995	2245	2245				
		15	Mast height(fork lowering)	mm		2500	2500	2500	2625	2850	2850				
		16	Overall height fork raised	mm		4420	4420	4420	4420	4330	4330				
		17	Height of head guard	mm		2450	2450	2450	2450	2560	2610				
		18	Turning raduis(outside)	mm		3250	3300	3360	3550	3900	4100				
		19	Load distance	mm		615	615	620	620	710	710				
		20	Right angle stacking aisle (pallet size:1100×1100 add clearance)	mm		5500	5550	5620	5770	6250	6450				
Performance		21	Speed	Travelling	full load	km/h	26	26	26	26	24	24			
		no load			km/h	30	30	30	30	30	30				
		Lifting		full load	mm/s	500	500	450	450	390	390				
				no load	mm/s	550	550	550	550	410	410				
		Lowering		full load	mm/s	450	450	450	450	470	470				
				no load	mm/s	500	500	500	500	340	340				
24	Max.drawbar pull	Full / no load		kg	5500/2250	5500/2250	5400 / 2200	5300 / 2150	5850 / 3200	5850 / 3200					
25	Gradeability at 1.6km/h	Full load		%	37	33	29	24	22	22					
26	Max.gradeability	Full / no load		%	42 / 19	38 / 19	33 / 19	26 / 22	24 / 20	24 / 20					
Weights		27	Weight	kg		8050	8750	9450	10450	12450	13000				
		28	Weight distribution	Full	front	kg	11710	13090	14520	16370	20160	22130			
					rear	kg	1340	1660	1930	2080	2290	2870			
		29		No load	front	kg	4020	3860	3760	4060	5480	5730			
rear	kg				4030	4890	5690	6390	6970	7270					
Chassis & Wheels		30	Tires	Number	front / rear	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2				
		Size		front	8.25×15-14PR	8.25×15-14PR	8.25×15-14PR	8.25×15-14PR	9.00×20-14PR	10.00×20-14PR					
		32	rear	8.25×15-14PR	8.25×15-14PR	8.25×15-14PR	8.25×15-14PR	9.00×20-14PR	10.00×20-14PR						
		33	Wheelbase	mm		2250	2250	2250	2400	2800	2980				
		34	Tread	Front	mm	1470	1470	1470	1470	1600	1600				
				Rear	mm	1700	1700	1700	1700	1700	1700				
35	Ground clearance	At lowest point(mast)	mm	190	190	190	190	245	245						
		Frame	mm	230	230	230	230	320	320						
36	Brake	Service brake	power brake		power brake	power brake	power brake	power brake	power brake						
		Paking brake	mechanical-hand lever		mechanical-hand lever	mechanical-hand lever	mechanical-hand lever	mechanical-hand lever	mechanical-hand lever						
Drive Line		37	Battery	Voltage / capacity	V/AH	2×12V-80AH	2×12V-80AH	2×12V-80AH	2×12V-80AH	2×12V-80AH	2×12V-80AH				
		38	Engine	Model		ISUZU 6BG1	Yuchai YC4A115-T300	ISUZU 6BG1	Yuchai YC4A115-T300	ISUZU 6BG1	Yuchai YC4A115-T300	ISUZU 6BG1	Yuchai YC4A115-T300		
				Rated power	KW/rpm	82.3/2000	85/2200	82.3/2000	85/2200	82.3/2000	85/2200	82.3/2000	85/2200	112/2000	85/2200
				Rated torque	N·m/rpm	418/1500	500/1600-1800	418/1500	500/1600-1800	418/1500	500/1600-1800	418/1500	500/1600-1800	42.5/1500	500/1600-1800
				Number of cylinders		6	4	6	4	6	4	6	4	6	4
Displacement	L	6.494	4.837	6.494	4.837	6.494	4.837	6.494	4.837	6.494	4.837				
39	Fuel tank capacity	L		140	140	140	140	140	140						
40	Transmission	Shift stage (front / rear-type)		2 / 2 —automatic	2 / 2 —automatic	2 / 2 —automatic	2 / 2 —automatic	2 / 2 —automatic	2 / 2 —automatic						
41	Hydraulic system pressure	kg/cm <sup>2</sup>		200	200	200	200	200	200						

Note: There's also Yanmar 4TNE98, Chinese Xinchai C495 diesel engine for option, and the specs will be little different.

## Loading chart



### Notes:

Vertical axis represents load capacity; Horizontal axis shows load center. Load center is determined from front face of the fork. Capacity based on a 1000mm cube load configuration with the center of gravity at the true center of the cube, and standard fork. The load capacity will be reduced while the mast tilt forward or loading with long fork or lifting transformable width of goods. Getting the load capacities at the various load centers timely via the load curve.

TFT forklift truck has equipped with standard safety device.  
TFT is not responsible for the damage occurred by removing its safety device.

### Standard equipments:

Wide view mast, Cyclone air cleaner With dust indicator, Load one-way valve, Preheat indicator, King Pin, Engine-start switch, Standard backrest, Long-life tires, Overhead guard, Oil and water separator, Power steering, Adjustable steering column, Radiator water tank, Side roller, Standard carriage, Oil temperature cooler, Headlamp and steering indicator lamp, Charge indicator lamp, Hour meter, Oil warning light of engine, Water temperature gauge, Fuel gauge, Reversing light, Electric horn, Neutral-safety switch, Paper file, Rear mirror, Tools, Reversing Buzzer, General seat.

### Options:

Fire extinguisher, cab, Heater unit, Rear work light, Solid tires, Fireproof silencer, Upper exhaust pipe, Tilt cylinder jacket, Rotating warning light, LPG Conversion device, Pre-filtration air intake device.

### Attachments:

Side shifter, Fork positioner, Carpet boom, Fork extension, Longer forks, Clamps, Others.