

# Tymbia

Handling & Warehouse Equipment

Efficient Forklift  
**EFFFO V**

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Manufactured by

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**Engine-Powered Forklift**  
**2.0-4.0 ton**  
(Counter-Balanced Type)

FD20-40 (EURV) technology specification																	
SPECIFICATION	1	Manufacturer			TYMBIA												
	2	Model			FD20	FD25	FD30	FD35	FD40								
	3	Max. lift capacity			kg	2000	2500	3000	3500	4000							
	4	Load center			mm	500											
	5	Power unit			Diesel				Diesel								
	6	Operator type			Driver/seat				Driver/seat								
	7	Tires type			fwd/bwd				Pneumatic				Pneumatic				
	8	Wheel (x=driving)			fwd/bwd				2/2				2/2				
DIMENSIONS	9	Max. lift height			mm	3000				3000							
	10	Free lift			mm	160				150							
	11	Fork size L × W × T			mm	1070X122X40				1070X125X45		1070X125X50		1070X150X50			
	12	Tilt angle fwd/bwd			deg	6/12											
	13	Total length without fork			mm	2460	2530	2705	2760	2870							
	14	Total width			mm	1150		1225	1285	1365							
	15	Mast height (fork lowered)			mm	1995		2075		2150							
	16	Overall height fork raised (with backrest)			mm	4030		4250									
	17	Height of head guard			mm	2120				2140							
	18	Turning radius (outside)			mm	2170	2240	2445	2495	2530							
	19	Distance from front wheel center to forks face			mm	466	466	480	485	485							
	20	Right angle stacking aisle (excluding goods length and clearance)			mm	2615	2690	2925	2975	2940							
PERFORMANCE	21	Speed	Max. travelling speed	full load	km/h	17		18									
				no load	km/h	19		19.5									
	22	Lifting speed	full load	mm/s	550		450										
			no load	mm/s	580		500										
	23	Lowering speed	full load	mm/s	450		450										
no load			mm/s	550		450		420									
24	Maximum traction force		full load/no load	kg	1650/830		1500/1000		2100/1000		2200/1000						
25	Gradeability at 1.6km/h		full load/no load	%	27/20	23/18	18/20										
WEIGHTS	26			Truck weight	kg	3330	3670	4380	4780	5050							
	27	Weight Distribution	Full load	front	kg	4700	5410	6490	7380	7890							
				rear	kg	630	760	890	900	1140							
	28	No load	front	kg	1510	1430	1670	1820	1810								
rear			kg	1820	2240	2700	2960	3240									
CHASSIS & WHEELS	29			Tread	Number	front/rear				2 / 2		2 / 2					
	30	Model	front axle		7.00-12-12PR		28X9-15PR		250-15-16PR								
			rear axle		6.00-9-10PR		6.50-10-10PR		6.50-10-10PR								
	32			Wheelbase	mm	1600		1700		1800							
	33	Tread	Front	mm	970		1000		1060		1120						
			Rear	mm	970		970										
34			Ground Clearance	At lowest point (mast)	mm	110		120									
35			Brake	Service brake		Hydraulic-foot pedal				Hydraulic-foot pedal							
35			Brake	Parking brake		Mechanical-hand lever				Mechanical-hand lever							
DRIVE LINE	36			Battery	V/AH	12/80		12/80									
	37			Fuel tank capacity	L	70				70							
	38			Transmission	Speed forward/backward	Power shift T/M	1-1 Power shift T/M				1-1 Power shift T/M						
39			Operating pressure	Hydraulic system pressure	kg/cm2	180				180							

\* When the products and specifications of Tymbia are changed due to improvement, Tymbia will not give further notice.

Wide view mast VM																	
Mast model	Load center 500mm					Max. lift height	Mast height					Tilt angle fwd-bwd	Weight				
							Fork lowered			Fork lift (with backrest)							
	FD20	FD25	FD 30	FD35	FD 40		FD20/25	FD30/35	FD 40	FD20/25	FD30/35/40		FD20	FD25	FD30	FD35	FD 40
	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	deg	kg	kg	kg	kg	kg
VM250	2000	2500	3000	3500	4000	2500	1745	1825	1900	3530	3750	6-12	3200	3540	4270	4650	5000
VM270	2000	2500	3000	3500	4000	2700	1845	1925	2000	3730	3950	6-12	3215	3555	4285	4670	5020
VM300	2000	2500	3000	3500	4000	3000	1995	2075	2150	4030	4250	6-12	3240	3580	4300	4700	5050
VM330	2000	2500	3000	3500	4000	3300	2145	2225	2300	4330	4550	6-12	3265	3605	4335	4730	5080
VM350	2000	2500	3000	3500	4000	3500	2245	2325	2400	4530	4750	6-12	3280	3620	4350	4750	5100
VM366	2000	2500	3000	3500	4000	3660	2370	2405	2480	4780	4910	6-12	3295	3635	4362	4766	5116
VM375	2000	2500	3000	3500	4000	3750	2545	2425	2500	5030	5000	6-12	3340	3680	4365	4770	5120
VM400	1900	2450	3000	3500	4000	4000	2670	2625	2700	5280	5250	6-6	3360	3700	4430	4835	5185
VM450	1950	2450	3000	3500	4000	4500	2795	2875	2950	5530	5750	6-6	3380	3720	4470	4780	5225
VM475	1800	1850	2900	3300	3800	4750	2920	3000	3075	5780	6000	6-6	3400	3740	4476	4805	5250
VM500	1650	1700	2700	2800	3200	5000	3045	3125	3200	6030	6250	6-6	3420	3760	4515	4930	5300
VM550	*1500	*1700	*2400	*2700	*3100	5500	3345	3425	3500	6530	6750	*3-6	3615	3955	4740	5160	5495
VM600	*1300	*1400	*2000	*2300	*2700	6000	3595	3675	3750	7030	7250	*3-6	3655	3995	4780	5205	5535

2 stage free lift mast VFM																			
Mast model	Load center 500mm					Max. lift height	Mast height					Free lift with backrest		Tilt angle fwd-bwd	Weight				
							Fork lowered			Fork lift (with backrest)									
	FD20	FD25	FD 30	FD35	FD 40		FD20/25	FD30/35	FD 40	FD20/25	FD30/35/40	FD20/25	FD30/35/40		deg	kg	kg	kg	kg
	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	deg <td>kg</td> <td>kg</td> <td>kg</td> <td>kg</td>	kg	kg	kg	kg		
VFM250	2000	2500	3000	3500	4000	2500	1745	1825	1875	3530	600	745	600	6-12	3260	3600	4330	4720	4970
VFM270	2000	2500	3000	3500	4000	2700	1845	1925	1975	4030	700	845	700	6-12	3275	3615	4350	4740	4990
VFM300	2000	2500	3000	3500	4000	3000	1995	2075	2125	4030	850	995	850	6-12	3305	3645	4380	4770	5020
VFM330	2000	2500	3000	3500	4000	3300	2145	2225	2275	4330	1000	1145	1000	6-12	3330	3670	4405	4795	5045
VFM350	2000	2500	3000	3500	4000	3500	2245	2325	2375	4530	1100	1245	1100	6-12	3345	3685	4425	4815	5065

3 stage free lift mast VFHM																			
Mast model	Load center 500mm					Max. lift height	Mast height					Free lift with backrest		Tilt angle fwd-bwd	Weight				
							Fork lowered			Fork lift (with backrest)									
	FD20	FD25	FD 30	FD35	FD 40		FD20/25	FD30/35	FD 40	FD20/25	FD30/35/40	FD20/25	FD30/35/40		deg	kg	kg	kg	kg
	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	deg <td>kg</td> <td>kg</td> <td>kg</td> <td>kg</td>	kg	kg	kg	kg		
VFHM360	2000	2500	3000	3500	4000	3600	1745	1825	1825	4630	4860	745	600	6-6	3410	3750	4490	4880	5130
VFHM400	2000	2500	3000	3500	4000	4000	1870	1950	1950	5030	5260	870	725	6-6	3445	3785	4525	4915	5165
VFHM435	1900	2200	2900	3200	3650	4350	1995	2075	2075	5380	5660	995	850	6-6	3475	3815	4560	4950	5200
VFHM450	*1950	*2450	*3000	*3500	*4000	4500	2045	2150	2150	5530	5760	1045	925	6-6	3485	3825	4575	4970	5225
VFHM480	1700	1900	2800	2900	3310	4800	2145	2225	2225	5830	6060	1145	1000	6-6	3515	3855	4595	4985	5235
VFHM500	1500	1600	2600	2800	3200	5000	2245	2325	2325	6030	6260	1245	1100	6-6	3535	3875	4625	5015	5265
VFHM550	1200	1300	2200	2300	2780	5500	2370	2460	2460	6430	6760	1370	1250	3-6	3565	3905	4675	5050	5300
VFHM600	900	950	1400	1500	1700	6000	2595	2675	2675	7030	7260	1595	1450	3-6	3655	3995	4750	5140	5390
VFHM650	*1650	*1800	*2100	*2300	*2630	*6500	2810	2890	2890	7530	7760	1810	1665	*3-3	3835	4175	4965	5350	5600
VFHM700	*1250	*1250	*1350	*1350	*1540	*7000	3030	3110	3110	8030	8260	2030	1885	*3-3	3885	4225	5020	5410	5660

Notes: (1) Max. lift height (without backrest): 580mm (2) Free lift height (without backrest): 580mm; Weight without backrest: 30kg  
Notes: The mark of \* is with double tires, the weight with double tires: +150kg

