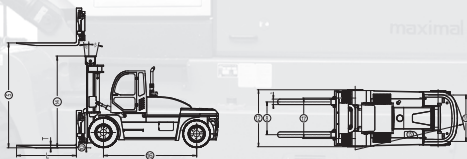
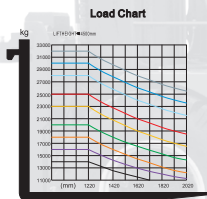


M series 14.0-32.0t diesel forklift

1	Model		FD140T-MWK	FD180T-MWK	FD240T-MWK	FD280TX-MWK	FD290T-MWK	FD290T-MWK	FD290T-MWK	FD280TX-MWK	FD330TX-MWK	FD280T-MWK	FD360T-MWK	FD320T-MWK
2	Power Type		Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel	Diesel
3	Rated Capacity		14000	18000	18000	20000	20000	23000	25000	28000	30000	28000	30000	32000
4	Load Centre		1200	1200	1200	900	1200	1200	1200	900	900	1200	1200	1200
5	Lift Height		3000	3000	3000	3000	4000	4000	4000	4000	4000	4000	4000	4000
6	Mast tilt angle		F/R		F/R		F/R		F/R		F/R		F/R	
7	LWWT		2440x250x100	2440x250x105	2440x250x105	1800x250x100	2440x300x105	2440x300x110	2440x300x110	1800x300x105	1800x300x105	2440x340x110	2440x340x120	2440x340x120
8	Regulating range		810-2140	810-2140	810-2140	810-2140	1040-2690	1040-2690	1040-2690	1040-2690	1040-2690	1360-2980	1360-2980	1360-2980
9	Max. axle shifter		650(±30S)	690(±30S)	680(±30S)	680(±30S)	810(±40S)	810(±40S)	810(±40S)	810(±40S)	810(±40S)	810(±40S)	810(±40S)	810(±40S)
10	Min. ground clearance(Bottom of mast)		mm	220	220	220	220	300	300	300	300	300	300	300
11	Overall dimensions		Overall length		mm	8300	8300	8300	7660	9240	9240	8600	8600	9740
12			Overall width		mm	2535	2535	2535	2535	3020	3020	3020	3020	3420
13			Overall height		mm	3280	3280	3280	3280	3580	3580	3580	3580	3800
14			Mast		mm	3420	3420	3420	3420	4250	4250	4250	4250	4500
15	Min. turning radius(outside)		mm	5200	5200	5200	5200	6100	6100	6100	6100	6100	6500	6500
16	Wheelbase		mm	3800	3800	3800	3800	4500	4500	4500	4500	4500	4800	4800
17	Tread		Front		mm	1850	1850	1850	1850	2200	2200	2200	2200	2490
18			Rear		mm	2120	2120	2120	2120	2300	2300	2300	2300	2450
19	Tyre		Front			12.00-24-20PR	12.00-24-20PR	12.00-24-20PR	12.00-24-24PR	14.00-24-24PR	14.00-24-28PR	14.00-24-28PR	14.00-24-28PR	16.00-25-32PR
20			Rear			12.00-20-20PR	12.00-20-20PR	12.00-20-20PR	14.00-24-24PR	14.00-24-28PR	14.00-24-28PR	14.00-24-28PR	14.00-24-28PR	16.00-25-32PR
21	Speed		Travel(Unladen)		km/h	30	30	30	30	28	28	28	28	28
22			Lifting(Laden)		mm/sec	320	320	320	320	300	300	300	300	270
23			Lowering(Laden)		mm/sec	380	380	380	330	330	330	330	310	310
24	Max. Drawbar pull(Laden)		kN	125	125	125	125	160	160	160	160	160	250	250
25	Max. Gradeability(Laden)		%	25	25	25	25	25	25	25	25	25	20	20
26	Self weight		kg	25800	25800	26300	28000	35200	35400	36400	38000	41000	42500	44000
27	Engine		Model		QSB6.7						QSB6.3			
28			Manufacturer		Cummins						Cummins			
29			Rated output/r.p.m.		142/2300						1762/300			
30			Rated torque/r.p.m.		930/1500						1085/1500			
31			No. of cylinder		6						6			
32			Bore x Stroke		107x124						117x135			
33			Displacement		L						8.3			
34			Fuel tank capacity		L						200			
35	Transmission		Manufacturer		ZF						ZF			
36			Type		3WG171						3WG211			
37			Stage		3/G						3/G			
38	Battery		Voltage/Capacity		V/Ah						24/135			
39	Operating pressure(For attachments)		Mpa		19						21			



M Series 14.0-32.0ton Heavy Duty Diesel Forklift

FD140-200TX Wide View Mast

Mast Name	Max Fork Height (mm)	Overall height (mm)	Load Centre (mm)				Tilt angle (F/R)	Load Capacity (kg)				Self weight (kg)				Remark
			FD140T	FD160T	FD180T	FD200TX		FD140T	FD160T	FD180T	FD200TX	FD140T	FD160T	FD180T	FD200TX	
M300	3000	3420	1220	1220	1220	900	6°12'	14000	16000	18000	20000	25360	25560	26060	25760	Standard
M350	3500	3670	1220	1220	1220	900	6°12'	14000	16000	18000	20000	25480	25680	26180	25880	
M400	4000	3920	1220	1220	1220	900	6°12'	14000	16000	18000	20000	25600	25800	26300	26000	
M450	4500	4170	1220	1220	1220	900	6°12'	14000	16000	18000	20000	26010	26210	26710	26410	
M500	5000	4420	1220	1220	1220	900	6°16'	13200	15000	16800	18600	26130	26330	26830	26530	
M550	5500	4670	1220	1220	1220	900	3°16'	12500	14200	15800	17400	26250	26450	26950	26650	
M600	6000	4920	1220	1220	1220	900	3°16'	12000	13500	15000	17000	26370	26570	27070	26770	

FD200-300TX Wide View Mast

Mast Name	Max Fork Height (mm)	Overall height (mm)	Load Centre (mm)					Tilt angle (F/R)	Load Capacity (kg)					Self weight (kg)					Remark
			FD200T	FD230T	FD260T	FD280TX	FD300TX		FD200T	FD230T	FD250T	FD280TX	FD300TX	FD200T	FD230T	FD250T	FD280TX	FD300TX	
M300	3000	3760	1220	1220	1220	900	900	6°12'	20000	23000	25000	28000	30000	34625	35025	36025	35625	35825	
M350	3500	4010	1220	1220	1220	900	900	6°12'	20000	23000	25000	28000	30000	34815	35215	36215	35815	36015	
M400	4000	4260	1220	1220	1220	900	900	6°12'	20000	23000	25000	28000	30000	35000	35400	36400	36000	36200	Standard
M450	4500	4510	1220	1220	1220	900	900	6°12'	20000	23000	25000	28000	30000	35500	35900	36900	36500	36700	
M500	5000	4760	1220	1220	1220	900	900	6°16'	19400	22200	24200	26500	27500	35690	36090	37090	36690	36890	
M550	5500	5010	1220	1220	1220	900	900	3°16'	18900	21500	23500	25500	26500	35880	36280	37280	36880	37080	
M600	6000	5260	1220	1220	1220	900	900	3°16'	18500	21000	23000	24500	25500	36070	36470	37470	37070	37270	

FD280-320T Wide View Mast

Mast Name	Max Fork Height (mm)	Overall height (mm)	Load Centre (mm)			Tilt angle (F/R)	Load Capacity (kg)			Self weight (kg)			Remark
			FD280T	FD300T	FD320T		FD280T	FD300T	FD320T	FD280T	FD300T	FD320T	
M400	4000	4500	1220	1220	1220	6°12'	28000	30000	32000	41000	42500	44000	Standard
M450	4500	4750	1220	1220	1220	6°12'	28000	30000	32000	41600	43100	44600	
M500	5000	5000	1220	1220	1220	3°16'	27000	28500	30000	41850	43350	44850	

Maintenance Intervals Doubled and Efficient Diagnostic program

- Cummins Tier 3 Scheduled Maintenance 500 hours/6 month intervals for charge air cooled; same schedule for coolant changes; Dual Stage fuel filtration to improve particle separation, filter life and protect vital fuel system components.
- Equipped as standard with either a manual or power hydraulic tilting cab, to ensure easy access to major components for inspection and service.
- Low side steps and large grab handles, providing operators safe and easy access to the operators cab. Technicians can use side steps for daily inspections and maintenance.
- Uniform placement of electrical and hydraulic tubing and hoses.
- Centralized diagnostics in the operator cab
- "CAN bus" receptacle in the operator cab, for engine, transmission, hydraulics and instruments monitor panel.
- LCD display with diagnostics for engine, transmission and electrical systems to quickly identify service needs.
- Standard oil-immersed (wet) multi-plate disk brakes are virtually maintenance free.

Green & Clean

Euro III / EPA: Diesel engines that incorporate Japanese and American advanced engine technologies feature excellent environmental performance and conform to the world latest EPA Tier3 and EU Stage IIIA emission regulations.

Optional Equipment

- Specific masts 3M/118" MFH to 6M/240" MFH Simplex mast
 - > Side shift/Fork position carriages with shaft type forks
- Solid / Pneumatic size tires
- Air conditioning
- Rear camera surveillance system
- Special RAL colors
- Various attachments
 - > Contact your MAXIMAL dealer in your area for additional details.

Power & Performance

Maximal 14-32t / 30,000-70,000 LB capacity forklift range is available with Cummins Diesel engine meeting a world standard Tier 3 emissions legislation:
 12-20t / 26,000-44,000 LB capacity forklift Cummins QSB 6.7 diesel engine features: 6-cylinder in-line, 6.7 liter displacement Charge-air cooling w/waste gate controlled turbocharger. Max 142 kW(192 Hp) output at 2300 rpm, offering extra durability for long periods of peak performance. Smooth torque of 930 Nm at 1500 rpm provides excellent acceleration for maximum power.
 20-32t / 30,000-70,000 LB capacity forklift Cummins QSC 8.3 diesel engine features: 6-cylinder in-line, 8.3 liter displacement Charge-air cooling w/ waste gate controlled turbocharger. Max 176 kW (238 Hp) output at 2300 rpm, offering extra durability for long periods of peak performance. Smooth torque of 1085 Nm at 1500 rpm provides excellent acceleration for maximum power.
 Engine protection system, sensing low oil pressure and high coolant temperature monitors the engine performance and shuts down the engine prior to a possible failure. An override function for emergency situations is a standard feature.



CUMMINS QSB 6.7 / CUMMINS QSC 8.3