

BUILT FOR ROUGH TERRAIN



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Maximal Rough Terrain Forklift Introduction

2WD

Strong flexibility
in rough terrain

100% differential lock.



Compact 4WD

Maximal original
product replenished
Rough Terrain fields



4WD

Superior performance
in extreme conditions

Traditional technology while
imported key components:
DANA integrated trans-axle,
Sauer Danfoss hydrostatic
system, tilting cabin.



Patented self-designed axle &
transmission, compact size meet
with European standard.



Maximal Rough Terrain Forklift Introduction

Engine

World renowned brands engine for superior performance.

MITSUBISHI S4S

Rated output 35.3kw/2250rpm >

Rated torque 182N.m/1800rpm >



YANMAR 4TNE98

Rated output 42.1kw/2300rpm >

Rated torque 196.3N.m/1700rpm >



ISUZU 6BG1QC

Rated output 82kw/2000rpm >

Rated torque 416N.m/1400-1600rpm >



MITSUBISHI D04EG

Rated output 36kw/2250rpm >

Rated torque 177 N.m/1800rpm >



Floating System

A superior full floating overhead guard is installed with rubber damping instead of the traditional rigid design. This greatly reduces machine vibration and offers a smoother ride over rough terrain and reduces operator fatigue.



Wide-view Mast

Wide-view mast provides excellent through-the-mast visibility improving the work efficiency and allowing safe operation of the forklift.



High Quality Tyres

Industrial tyres with a wide footprint giving it greater stability and lift capacity in rough work environments.



High Ground Clearance

Offer greater maneuverability and keep the machine moving in the roughest of applications.



Tilting Overhead Guard (4WD)

Equipped as standard with a tilting overhead guard, to ensure easy access to major components for inspection and service.

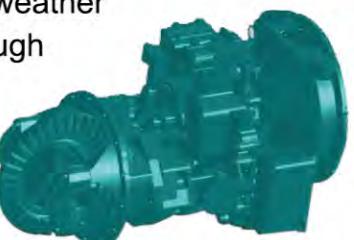
Upward Steering Cylinder (Compact 4WD)

Lay the steering cylinder upward to make the turning radius smaller and rear wheel steering angle bigger.



100% Differential Lock (2WD)

Power shift transmission with jaw type 100% differential lock provides ultimate traction during inclement weather conditions and rough operating surfaces.

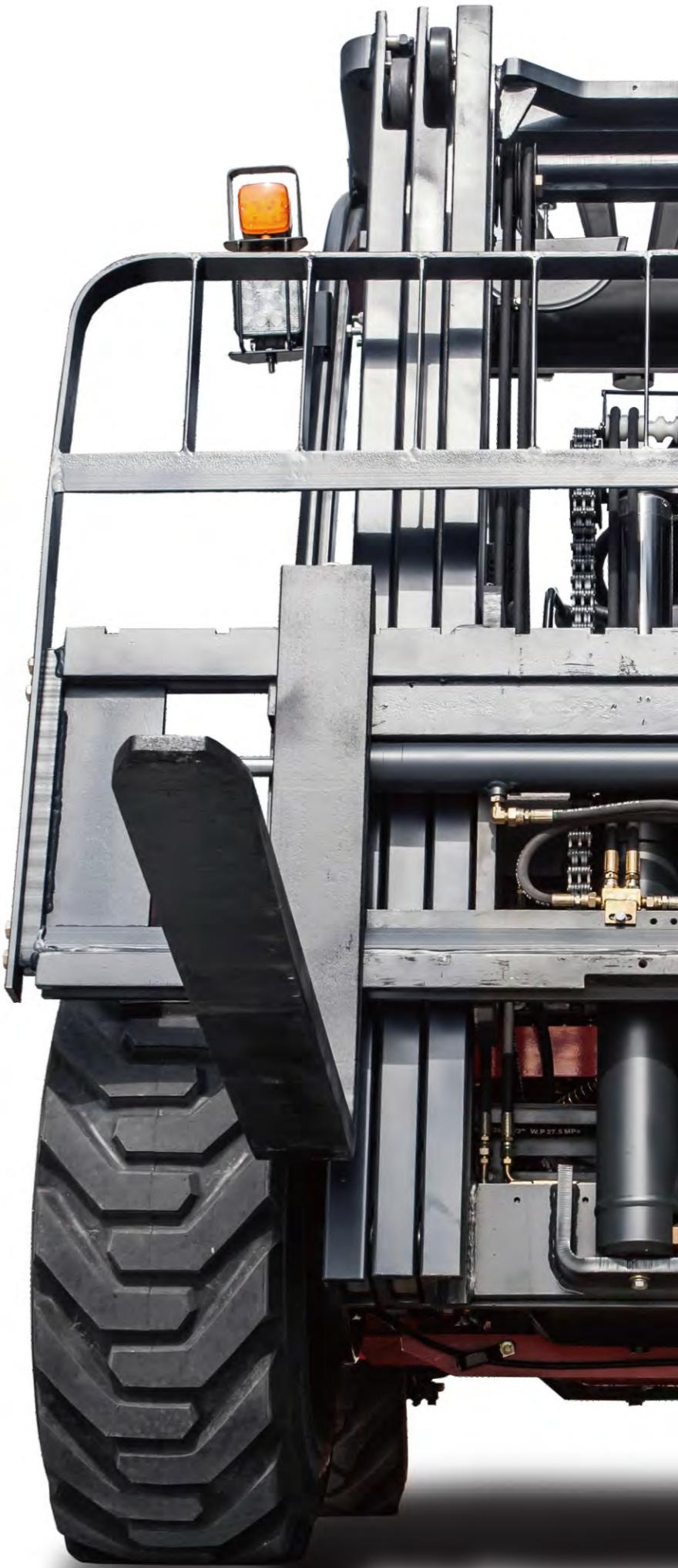




Our Solution, Your Decision

	2WD				Compact 4WD				4WD	
YES ● / NO ●	1.8T	2.5T	3.5T	5T	1.8T	2.5T	3.5T	2.5T	3.5T	
Body	Floated Overhead Guard		●			●		●		
	4WD-2WD Rocker Switch			—		●		●		
	Industrial Tyres (F/R)	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	● / ●	
	Suspension Pedal			●		●		●		
	Truck Width (mm)	1450	1557.5	1600	2067	1450	1450	1600	1980	1980
	Loaded into 20GP Container	●	●	●	●	●	●	●	●	
	External Type Steering Cylinder		●			●		●		
	With Prefilter		●			●		●		
	LED Lights	Standard			Standard			Standard		
	Safety Start System*	Standard			Standard			Standard		
Performance	Suspension Seat	Option			Option			Standard		
	OPS system	Option			Option			Option		
	Engine	YANMAR 4TNE98/MITSUBISHI S4S		YANMAR 4TNE98	ISUZU 6BG1QC	YANMAR 4TNE98 / MITSUBISHI S4S / MITSUBISHI D04EG			YANMAR 4TNE98	
	Gradeability	20%	20%	16%	30%	80%/60%	50%	45%	38%	38%
	Gradient	11.3°	11.3°	9°	16.7°	38.6°/31°	26.5°	24.2°	20.8°	20.8°
	Min.Turning Radius(mm)	2840	2870	2870	3550	3120	3120	3120	4275	4295
	Transmission Model	Hydraulic			Hydraulic			Hydrostatic		
Differential Lock Type		Jaw Type Differential Lock			Limited Slip Differential Lock			Limited Slip Differential Lock		
Differential Ratio		100%			45%			45%		

Safety Start System* The truck can't start if any below: 1-operator leaves the seat, 2-seatbelt unfastened, 3-hand brake released, 4-not in N positon.



Forklift Specification

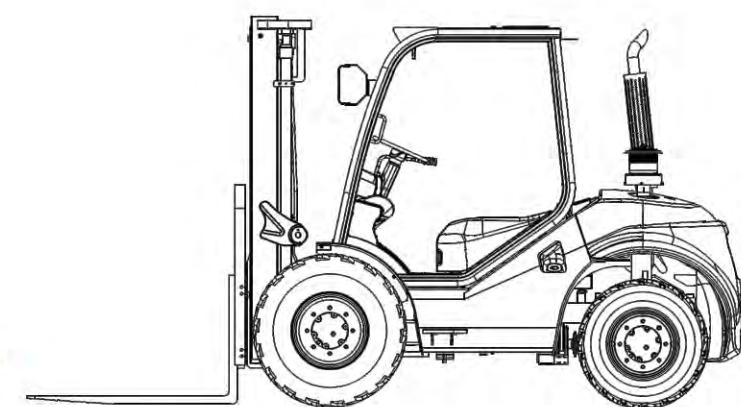
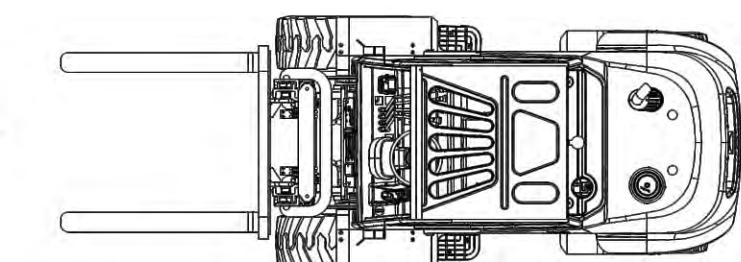
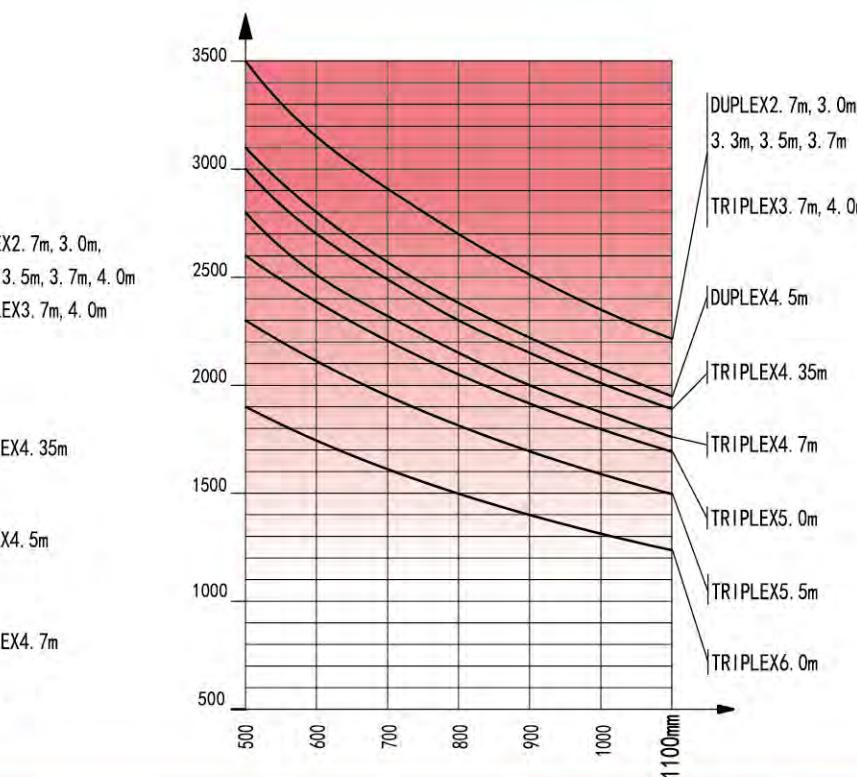
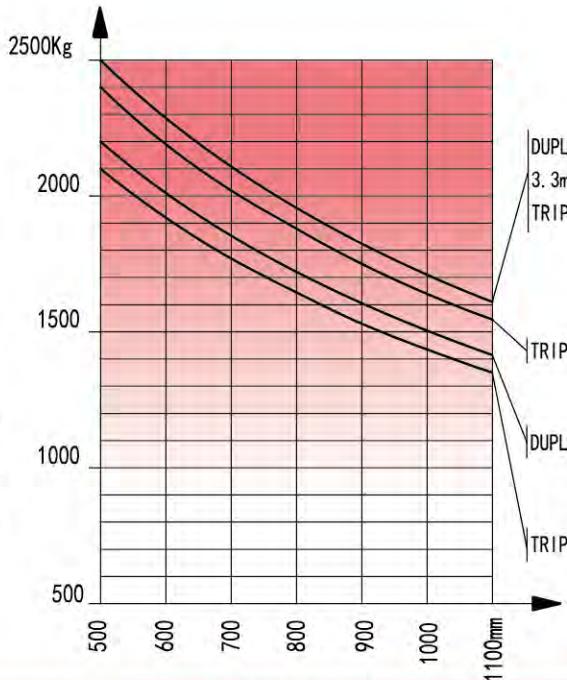
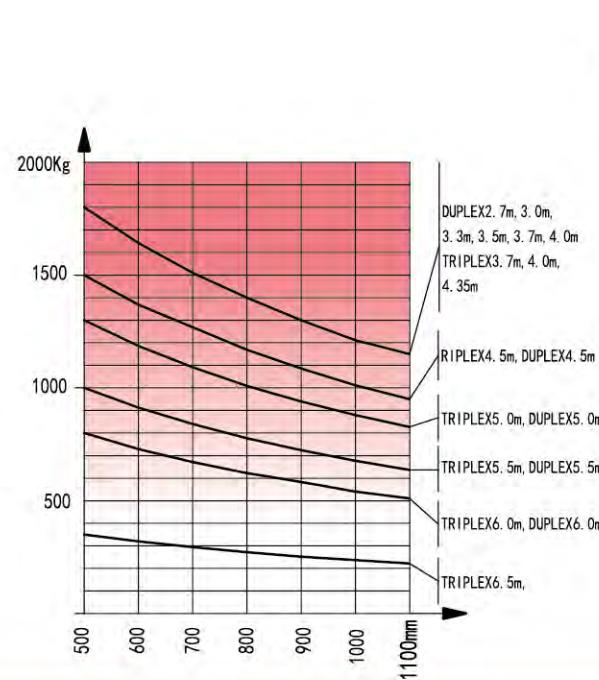
2WD 1.8T/2.5T/3.5T							
General	1	Model	FD18T-C2WE3	FD25T-C2WE3	FD35T-C2WE3		
	2	Power type	Diesel				
Characteristic&Dimension	3	Optional type	WV3				
	4	Rated capacity	Kg	1800	2500	3500	
	5	Load centre	mm	500	500	500	
	6	Lifting height	mm	3000	3000	3000	
	7	Free lift	mm	105	160	165	
	8	Fork size	LxWxT	1070×100×35	1070×122×40	1070×125×45	
	9	Fork regulating range	Min./Max.	200-1315	250-1160	250-1160	
	10	Mast tilt angle	F/R	Deg	10/12	10/12	
	11	Front overhang	mm	509	586	601	
	12	Rear overhang	mm	520	520	520	
	13	Min.ground clearance(drive steer axle)	mm	270	270	270	
	14	Length to face of fork (without fork)	mm	2910	2946	2956	
	15	Overall width	mm	1440	1557.5	1600.5	
	16	Mast lowered height	mm	2148	2265	2330	
	17	Mast extended height (with backrest)	mm	4150	4175	4305	
Performance	18	Overhead guard height	mm	2256.5	2256.5	2276	
	19	Turning radius	mm	2840	2870	2870	
	20	Min. right angle stacking aisle width(pallet size a12=1200,b12=1200)	mm	2560	2870	2870	
	21	Travel(Laden/Unladen)	Km/h	20/19	20/18	22/22(WE3)/20/18(WV3)	
	22	Lifting(Laden)	mm/sec	610(WE3)/590(WV3)	570(WE3)/480(WV3)	450(WE3)/385(WV3)	
	23	Lowering(Laden)	mm/sec	450	450	450	
	24	Max. Drawbar pull(Laden)	KN	15	17(WE3)/15(WV3)	17(WE3)/15(WV3)	
	25	Max. Gradeability(Laden)	%	20	20	16	
	26	Front		12-16.5-12PR	12-16.5-12PR	14-17.5-14PR	
	27	Rear		27×10-12-12PR	27×10-12-12PR	27×10-12-12PR	
Tyre	28	Front	mm	1125	1250.5	1250.5	
	29	Rear	mm	1185	1205	1205	
	30	Wheelbase	mm	1880	1880	1880	
	31	Self weight	kg	3700	4465	5180	
Weight	32	Front axle	kg	4730	5990	7725	
	33	Rear axle	kg	770	975	955	
	34	Unladen	Front axle	kg	1480	1785	2070
	35	Rear axle	kg	2220	2680	3110	
	36	Battery	V/Ah	12/90			
Power&Transmission	37	Model		4TNE98-BQFLC	S4S-455		
	38	Manufacture		YANMAR	MITSUBISHI		
	39	Rated output/r.p.m.	Kw	42.1/2300	35.3/2300		
	40	Rated torque/r.p.m.	N.m	186-206/1700	170±8/1700		
	41	No. of cylinder		4	4		
	42	Bore×Stroke	mm	98×110	94×120		
	43	Displacement	L	3.318	3.331		
	44	Fuel tank capacity	L	55	55		
	45	Manufacture		China			
	46	Type		YQXD30MKS	YQXD30MKS	YQXD40MKS	
	47	Stage	F/R	1/1			
	48	Operating pressure	Mpa	20			

Compact 4WD 1.8T/2.5T/3.5T								
General	1	Model	FD18T-C4WE3	FD25T-C4WE3	FD35T-C4WE3			
	2	Power type	Diesel					
Characteristic&Dimension	3	Optional type	WV3/W(6)3					
	4	Rated capacity	kg	1800	2500	3500		
	5	Load centre	mm	500	500	500		
	6	Free lift height	mm	3000	3000	3000		
	7	Free lift	mm	105	160	165		
	8	Fork size	LxWxT	1070×100×35	1070×122×40	1070×125×45		
	9	Fork regulating range	Min./Max.	200-1315	250-1310	250-1500		
	10	Mast tilt angle	F/R	Deg	10/12	10/12		
	11	Front overhang	mm	520	586	601		
	12	Rear overhang	mm	600	600	600		
	13	Min.ground clearance(drive steering axle)	mm	219	219	219		
	14	Min.ground clearance(chassis) (Unladen/Laden)	mm	230/215	230/215	224/230		
	15	Min.ground clearance(mast) (Unladen/Laden)	mm	275/250	270/255	270/250		
	16	Ground clearance (drawbar pin)	mm	354.5	354.5	430		
	17	Height from seat surface to overhead guard inner side	mm	990	990	1043		
Performance	18	Length to face of fork (without fork)	mm	3000	3066	3081		
	19	Overall width	mm	1450	1450	1600		
	20	Mast lowered height	mm	2145	2235	2330		
	21	Mast extended height(with backrest)	mm	4140	4175	4305		
	22	Overhead guard height	mm	2256	2256	2276		
	23	Turning radius	mm	3120	3120	3120		
	24	Min. right angle stacking aisle width(pallet size a12=1000,b12=1200)	mm	4629	4706	4921		
	25	Pallet size a12=1200,b12=800	mm	4829	4906	4871		
	26	Min. right angle stacking aisle width(pallet size a12=1200,b12=1200)	mm	2670	2670	2725		
	27	Type		WV3/W(6)3	WE3	WV3/W(6)3	WE3	
Tyre	28	Speed		Km/h	18/17	20/19	18/17	19/18
	29	Travel(Unladen/Laden)		mm/sec	630/590	640/610	620/570	650/600
	30	Lifting(Unladen/Laden)		mm/sec	420/450	420/450	510/450	510/450
	31	Lowering(Unladen/Laden)		mm/sec	420/450	420/450	510/450	500/450
Weight	32	Max. Drawbar pull(Unladen/Laden)	KN	31	38	38	27	38
	33	Max. Gradeability(Unladen/Laden)	%	50	80	50	50	50
	34	Braking distance	m	≤6				
	35	Front		12-16.5-12PR			14-17.5L-14PR	
	36	Rear		10.0/75-15.3			10.0/75-15.3	
Power&Transmission	37	Tyre pressure(Front/Rear)	MPa	0.62/0.55	0.62/0.55	0.55/0.55		
	38	Front	mm	1123	1123	1250		
	39	Rear	mm	1190	1190	1190		
	40	Ground clearance (Front tyre centre)(Unladen/Laden)	mm	405.5/385	405.5/385	450.5/425		
Weight	41	Ground clearance (Rear tyre centre)(Unladen/Laden)	mm	370/350	370/350	370/385		
	42	Wheelbase	mm	1880	1880	1880		
	43	Self weight	kg	4255	4830	5545		
	44	Front Axle	kg	4602	6597	7872		
	45	Rear Axle	kg	1453	733	1073		
	46	Front Axle	kg	1702	2173	2345		
	47	Rear Axle	kg	2553	2657	3100		
	48	Voltage/Capacity	V/Ah	12/90				
	49	Model		S4S			D04EG	
	50	Manufacture		MITSUBISHI			YANMAR	

Mast Specification

Type	Model	Max. fork height	Overall height			Free lift						Front Overhang			Tilt range		Capacity at max. height						
			Lowered			With backrest			Without backrest			Front Overhang			FWD		BWD		Loand Center 500mm				
			1.8T	2.5T	3.5T	1.8T	2.5T	3.5T	1.8T	2.5T	3.5T				Deg	Deg			Without side shift carriage			With side shift carriage	
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg	kg	kg	kg	kg	kg
wide view 2-stage mast	M330	3300	2298	2385	2480	105	160	165	105	160	165	509	585	600	10°	12°	1800	2500	3500	1800	2500	3200	
	M350	3500	2398	2485	2580	105	160	165	105	160	165	509	585	600	10°	12°	1800	2500	3500	1800	2500	3200	
	M370	3700	2498	2585	2680	105	160	165	105	160	165	509	585	600	10°	12°	1800	2500	3500	1800	2500	3200	
	M400	4000	2698	2785	2880	105	160	165	105	160	165	509	585	600	10°	12°	1800	2500	3400	1800	2500	3100	
	M450	4500	2948	3035	3130	105	160	165	105	160	165	509	585	600	10°	12°	1500	2200	3100	1400	2100	2900	
	M500	5000	3198	—	—	105	—	—	105	—	—	509	—	—	6°	6°	1300	—	—	1200	—	—	
	M550	5500	3498	—	—	105	—	—	105	—	—	509	—	—	6°	6°	1000	—	—	900	—	—	
Full free 3-stage mast	M600	6000	3748	—	—	105	—	—	105	—	—	509	—	—	6°	6°	800	—	—	400	—	—	
	TFM400	4000	2033	2080	2205	850	888	890	1230	1333	1336	509	590	620	10°	12°	1800	2500	3400	1800	2400	3100	
	TFM435	4350	2158	2205	2330	980	1013	1015	1360	1458	1461	509	590	620	10°	12°	1800	2400	3000	1600	2200	2900	
	TFM450	4500	2208	—	—	1030	—	—	1410	—	—	509	—	—	10°	12°	1500	—	—	1400	—	—	
	TFM470	4700	—	2320	2445	—	1128	1130	—	1573	1576	—	590	620	—	—	—	2100	2800	—	1900	2500	
	TFM500	5000	2408	2455	2580	1230	1263	1265	1610	1708	1710	509	590	620	6°	6°	1300	1900	2600	1200	1600	2300	
	TFM550	5500	2573	2620	2745	1390	1428	1430	1770	1873	1875	509	590	620	6°	6°	1000	1500	2300	900	1200	2100	
	TFM600	6000	2758	2805	2930	1580	1613	1615	1960	2058	2060	509	590	620	6°	6°	800	1200	1900	400	800	1600	
	TFM650	6500	2973	3020	3145	1790	1828	1830	2180	2273	2275	509	590	620	6°	6°	350	700	1300	200	400	1100	

Load Capacity

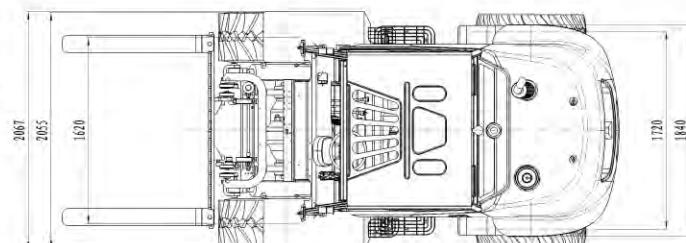
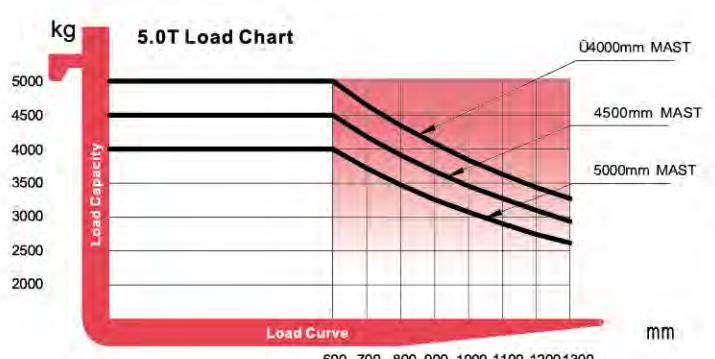
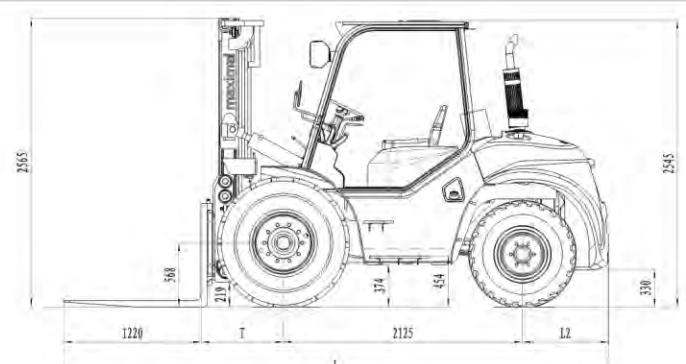


Forklift Specification

Mast Specification

2WD 5T					
General	1	Model	FD50T-C2W (3) 3	FD50T-C2WF3	
	2	Power type	Diesel	Diesel	
	3	Rated capacity	Kg	5000	5000
	4	Load centre	mm	600	600
Characteristic&Dimension	5	Lift height	mm	3000	3000
	6	Free lift height	mm	145	145
	7	Fork size	L×W×T	mm	1220*150*55
	8	Fork regulating range	Min./Max.	mm	300/1654
	9	Mast tilt angle	F/R	Deg	15° /15°
	10	Front overhang	mm	732	732
	11	Rear overhang	mm	764	764
	12	Ground clearance	Bottom of mast	mm	320
	13	Overall dimensions	Length to face of fork (without fork)	mm	3622
	14		Overall width	mm	2067
	15		Mast lowered height	mm	2565
	16		Mast extended height (with backrest)	mm	4170
	17		Overhead guard height	mm	2545
	18	Min. turning radius		mm	3550
	19	Min. right angle aisle width		mm	5700
Performance	20	Speed	Travel(Unladen)	Km/h	20/19
	21		Lifting(Laden)	mm/s	380
	22		Lowering(Laden)	mm/s	370
	23	Max. Drawbar pull(Laden)		KN	50
Tyre	24	Max. Gradeability(LOADEN)		%	20
	25	Tyre	Front	445-65-22.5PR	445-65-22.5PR
	26		Rear	12.5/80-18	12.5/80-18
	27	Tread	Front	mm	1620
	28		Rear	mm	1720
	29	Wheelbase		mm	2125
	30	Self weight		kg	8450
Weight	31	Axle distribution	Front axle	kg	11700
	32		Rear axle	kg	1750
	33		Front axle	kg	3550
	34		Rear axle	kg	4900
	35	Model		TCD 3.6 L4	6BG1QC
Power&Transmission	36	Manufacture		DEUTZ	ISUZU
	37	Rated output/r.p.m.		Kw	55.4/2200-2300
	38	Rated torque/r.p.m.		N.m	390/1300
	39	No. of cylinder			4
	40	Bore×Stroke		mm	98×120
	41	Displacement		L	3.6
	42	Voltage/Capacity		V/Ah	2*12/80
	43	Operating pressure		Mpa	20

Type	Model	Max. fork height	Overall height Lowered	Free lift		Front Overhang	Tilt range		Capacity			
				With backrest	Without backrest		5.0T	FWD	BWD	capacity at max. height		
										Without side shift carriage	With side shift carriage	
wide view 2-stage mast	M330	3300	2715	145	145	732	15	15	5000	4700		
	M350	3500	2815	145	145	732	15	15	5000	4700		
	M370	3700	2915	145	145	732	15	15	5000	4700		
	M400	4000	3115	145	145	732	15	15	5000	4700		
	M450	4500	3365	145	145	732	15	15	4500	4050		
	M500	5000	3615	145	145	732	15	15	4000	3600		
Full free 3-stage mast	TFM400	4000	2560	1000	1350	765	15	15	5000	4500		
	TFM435	4350	2685	1125	1475	765	15	15	4500	4050		
	TFM450	4500	2736	1176	1526	765	15	15	4000	3600		
	TFM470	4700	2802	1242	1592	765	15	15	3700	3350		
	TFM500	5000	2935	1375	1725	765	10	15	3300	2950		
	TFM600	6000	3300	1740	2090	765	10	15	2000	1800		

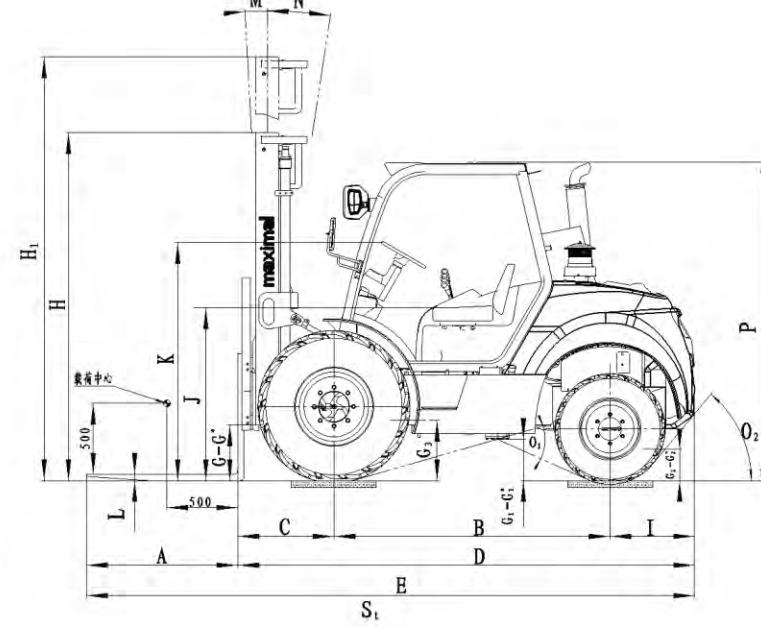
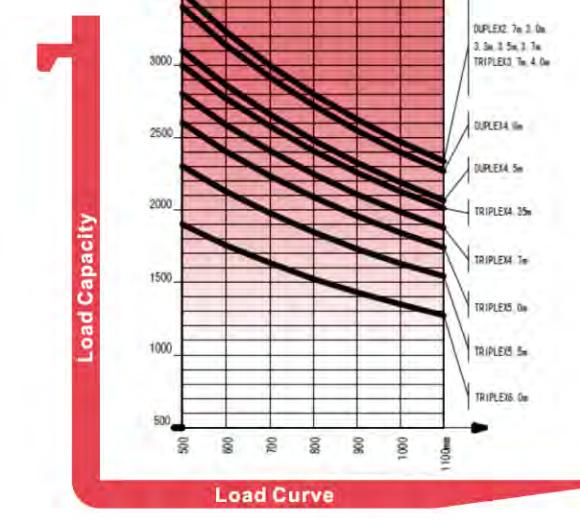
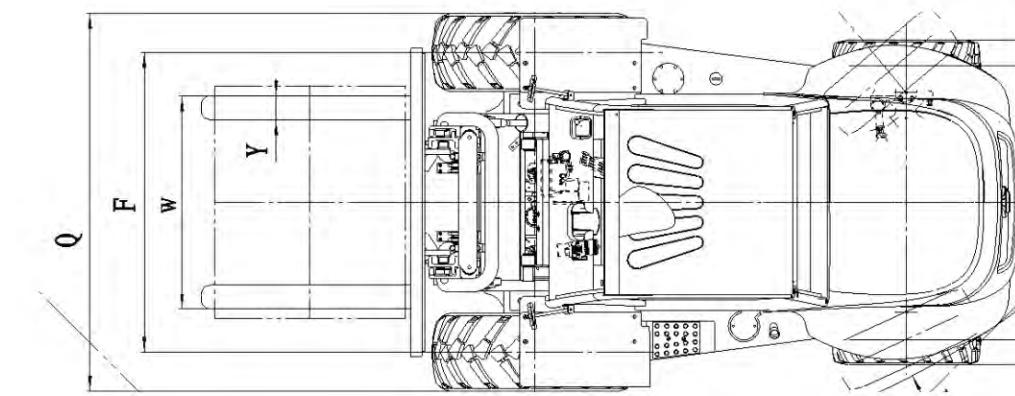


Forklift Specification

Mast Specification

4WD 2.5T/3.5T					
General	1	Model	FD25J-C4WE	FD35J-C4WE	
	2	Power type	diesel	diesel	
Characteristic&Dimension	3	Rated capacity	Kg	2500	3500
	4	Load centre	mm	500	500
	5	Lift height	mm	3000	3000
	6	Free lift height	mm	160	165
	7	Fork size	L×W×T	1070×125×40	1220×125×45
	8	Fork regulating range	Min./Max.	250-1560	250-1560
	9	Mast tilt angle	F/R	Deg	10/12
	10	Front overhang	mm	680	680
	11	Rear overhang	mm	590	597
	12	Min.ground clearance	mm	394.5	410
	13	Length to face of fork (without fork)	mm	3182	3227
	14	Overall width	mm	1980	1980
	15	Mast lowered height	mm	2454	2470
	16	Mast extended height (with backrest)	mm	4270	4400
	17	Overhead guard height	mm	2250	2250
	18	Min. turning radius	mm	4275	4295
	19	Min. right angle stacking aisle width(add load length and clearance)	mm	8375	8395
Performance	20	Travel(Unladen)	Km/h	20	20
	21	Lifting(Laden)	mm/s	540	450
	22	Lowering(Laden)	mm/s	630	540
	23	Max. Drawbar pull(Laden/unladen)	KN	34.3	34.3
	24	Max. Gradeability(Loaded)	%	38	38
Tyre	25	Tyre	Front	405/70-20-14PR	405/70-20TL
	26	Tread	Rear	10.0/75-15.3-14PR	10.0/75-15.3
	27	Wheelbase	mm	1950	1950
	28	Self weight	kg	4900	5750
Weight	29	Laden	Front axle	kg	6290
	30		Rear axle	kg	1110
	31	Unladen	Front axle	kg	2265
	32		Rear axle	kg	2635
	33	Battery	Voltage/Capacity	V/Ah	12/90
Power&Transmission	34	Engine	Model		4TNE98-BQFLC
	35		Manufacture		YANMAR
	36		Rated output/r.p.m.	Kw	42.1/2300
	37		Rated torque/r.p.m.	N.m	196.3/1700
	38		No. of cylinder		4
	39		Bore×Stroke	mm	98×110
	40		Displacement	L	3.319
	41		Fuel tank capacity	L	3.319
	42	Transmission	Manufacture		DANA
	43		Front axle		112
	44		Rear axle		211
	45		Transfer case		311
	46	Stage	F/R		1/1
	47	Static system pressure	Mpa		40
	48	Operating pressure(For attachments)	Mpa		20
	49	Min.right angle stacking aisle width	mm	2980	3000

Type	Model	Overall height		Free lift				Front Overhang		Tilt range		Capacity			
		Lowered		With backrest		Without backrest		2.5T	3.5T	FWD	BWD	capacity at max. height			
		2.5T	3.5T	2.5T	3.5T	2.5T	3.5T					mm	mm	Deg	Deg
		mm	mm	mm	mm	mm	mm					kg	kg	kg	kg
wide view 2-stage mast	M270	2320	2320	165	165	165	165	700	700	10	12	3500	3500	3200	3200
	M330	2620	2620	165	165	165	165	700	700	10	12	3500	3500	3200	3200
	M350	2720	2720	165	165	165	165	700	700	10	12	3500	3500	3200	3200
	M370	2820	2820	165	165	165	165	700	700	10	12	3500	3500	3200	3200
	M400	3020	3020	165	165	165	165	700	700	10	12	3400	3400	3100	3100
	M450	3270	3270	165	165	165	165	700	700	10	12	3100	3100	2900	2900
Full free 3-stage mast	TFM370	2255	2255	798	798	1243	1243	700	700	10	12	3500	3500	3100	3100
	TFM400	2345	2345	888	888	1333	1333	700	700	10	12	3500	3500	3100	3100
	TFM435	2470	2470	1013	1013	1458	1458	700	700	10	12	3000	3000	2900	2900
	TFM470	2605	2605	1128	1128	1573	1573	700	700	10	12	2800	2800	2500	2500
	TFM500	2720	2720	1263	1263	1708	1708	700	700	6	6	2800	2800	2500	2500
	TFM550	2885	2885	1428	1428	1873	1873	700	700	6	6	2500	2500	2300	2300
	TFM600	3070	3070	1613	1613	2058	2058	700	700	6	6	2100	2100	1800	1800



3.5T Load Chart