M series 2.0-2.5t Gasoline/LPG forklift

General	1	Basic Model				FGL20T-M	FGL25T-M
	2	Type				WA3 / WC3 / GA3	
	3	Power type				Gasoline/LPG	Gasoline/LPG
	4	Rated capacity			kg	2000	2500
	5	Load centre			mm	500	500
Characteristic&Dimension	6	Lift height			mm	3000	3000
	7	Free lift height			mm	160	160
	8	Fork size		L×W×T	mm	1070×122×40	1070×122×40
	9	Fork regulating range		Min./Max.	mm	250/1040	250/1040
	10	Mast tilt angle		F/R	Deg	6°/12°	6°/12°
	11	Front overhang			mm	460	460
	12	Rear overhang			mm	460	495
	13	Min. ground clearance(Bottom of mast)			mm	125	125
	14	Overall dimensions		Length to face of fork(without fork)	mm	2510	2545
	15			Overall width	mm	1150	1150
	16			Mast lowered height	mm	2010	2010
	17			Mast extended height(with backrest)	mm	3990	3990
	18			Overhead guard height	mm	2095	2095
	19	Turning radius(outside)			mm	2180	2250
	20	Min. right angle stacking aisle width(add load length and clearance)			mm	1940	2010
Performance	21	Speed		Travel(Unladen)	km/h	19(WA3) 20(WC3/GA3)	19(WA3) 20(WC3/GA3)
	22			Lifting(Laden)	mm/s	490(WA3) 440(WC3) 430(GA3)	490(WA3) 440(WC3) 430(GA3)
	23			Lowering(Laden)	mm/s	450	450
	24	Max. Drawbar pull(Laden/unladen)			KN	17/15(WA3/WC3) 18/16(GA3)	17/15(WA3/WC3) 18/16(GA3)
	25	Max. Gradeability(Laden)			%	20(WA3/WC3) 18(GA3)	20(WA3/WC3) 18(GA3)
Chassis	26	Tyre		Front		7.00-12-12 PR	7.00-12-12 PR
	27			Rear		6.00-9-10 PR	6.00-9-10 PR
	28	Tread		Front	mm	970	970
	29			Rear	mm	980	980
	30	Wheelbase			mm	1600	1600
	31	Fuel tank capacity			L	60	60
Weight	32	Self weight			kg	3450	3620
	33	Weight Distribution	Laden	Front Axle	kg	4690	5260
	34			Rear Axle	kg	760	860
	35		Unladen	Front Axle	kg	1550	1630
	36			Rear Axle	kg	1900	1990
Battery	37	Battery		Voltage/Capacity	V/Ah	12/60	12/60
Transmission	38	Transmission		Manufacture		China	China
	39			Type		Powershifter	Powershifter
	40		Stage	F/R		1/1	1/1
	41	Operating pressure(For attachments)			MPa	17.5	17.5



NISSAN

Type:WA3
Model: K25
Rated output: 37.4kw/2300rpm
Rated torque:171.2N·m/1600rpm
No. of cylinder:4
Bore×Stroke:89x100mm
Displacement:2.488L



MITSUBISHI

Type:WC3
Model: 4G64
Rated output: 37kw/2500rpm
Rated torque:161N·m/1600rpm
No. of cylinder:4
Bore×Stroke:86.5×100mm
Displacement:2.35L

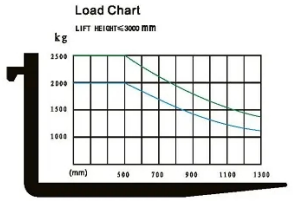


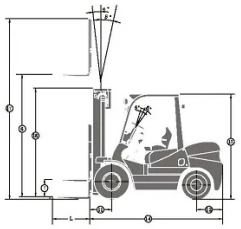
CHINESE BRAND

Type:GA3
Model: 491GP
Rated output: 41kw/2800rpm
Rated torque:
161N·m/1800-2200rpm
No. of cylinder:4
Bore×Stroke:91×86mm
Displacement:2.237L

M Series 2.0-2.5t Gasoline/LPG forklift mast

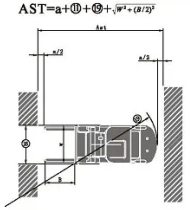
Type	Model	Max. fork height	Overall height						Free lift		Front Overhang		Tilt range		Capacity			
			Lowered		Extended										Load capacity at 500mm			
					Without backrest		With backrest		Without backrest	With backrest			FWD	BWD	Single tire		Double tire	
			2t	2.5t	2t	2.5t	2t	2.5t			2t	2.5t			2t	2.5t	2t	2.5t
		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	Deg	Deg	kg	kg	kg	kg
Wide view 2-stage mast	M200	2000	1510	1510	2575	2575	2990	2990	160	160	460	460	6	12	2000	2500	—	—
	M250	2500	1760	1760	3075	3075	3490	3490	160	160	460	460	6	12	2000	2500	—	—
	M300	3000	2010	2010	3575	3575	3990	3990	160	160	460	460	6	12	2000	2500	—	—
	M330	3300	2160	2160	3875	3875	4290	4290	160	160	460	460	6	12	2000	2500	—	—
	M350	3500	2260	2260	4075	4075	4490	4490	160	160	460	460	6	12	2000	2500	—	—
	M370	3700	2360	2360	4275	4275	4690	4690	160	160	460	460	6	6	2000	2500	—	—
	M400	4000	2560	2560	4575	4575	4990	4990	160	160	460	460	6	6	2000	2500	—	—
	M425	4250	2685	2685	4825	4825	5240	5240	160	160	460	460	6	6	1850	2300	2000	2500
	M450	4500	2810	2810	5075	5075	5490	5490	160	160	460	460	6	6	1600	2100	1900	2400
	M500	5000	3060	3060	5575	5575	5990	5990	160	160	460	460	3	6	1200	1600	1700	1900
	M550	5500	3360	3360	6075	6075	6490	6490	160	160	460	460	3	6	950	1200	1500	1700
	M600	6000	3610	3610	6575	6575	6990	6990	160	160	460	460	3	6	800	900	1200	1400
Full free 2-stage mast	FM250	2500	1760	1760	3090	3090	3490	3490	1135	735	480	480	6	12	2000	2500	—	—
	FM300	3000	2010	2010	3590	3590	3990	3990	1385	985	480	480	6	12	2000	2500	—	—
	FM330	3300	2160	2160	3890	3890	4290	4290	1535	1135	480	480	6	12	2000	2500	—	—
	FM350	3500	2260	2260	4090	4090	4490	4490	1635	1235	480	480	6	12	2000	2500	—	—
	FM370	3700	2360	2360	4290	4290	4690	4690	1730	1335	480	480	6	6	2000	2500	—	—
	FM400	4000	2560	2560	4590	4590	4990	4990	1935	1535	480	480	6	6	2000	2500	—	—
Full free 3-stage mast	TFM435	4350	2010	2010	4867	4867	5340	5340	1460	990	485	485	6	6	1750	2200	1900	2400
	TFM450	4500	2060	2060	5017	5017	5490	5490	1510	1040	485	485	6	6	1600	2000	1800	2300
	TFM480	4800	2160	2160	5317	5317	5790	5790	1610	1140	485	485	6	6	1250	1700	1700	2000
	TFM500	5000	2260	2260	5517	5517	5990	5990	1710	1240	485	485	6	6	1100	1500	1600	1800
	TFM540	5400	2385	2385	5917	5917	6390	6390	1835	1365	485	485	3	6	900	1200	1400	1600
	TFM600	6000	2610	2610	6517	6517	6990	6990	2060	1590	485	485	3	6	700	800	1100	1300





a=200 mm safety clearance

$AST=a+⑪+⑧+\sqrt{W^2+(B/2)^2}$



M Series 2.0-2.5ton Gasoline/LPG forklift

