

MAST SPECIFICATIONS & RATED CAPACITIES																	
Mast Type	Mast Name	Max. Fork Height (mm)	Load Capacity (kg)				Overall Height (mm)						Free Lift (mm)				Tilt Angle
							Lowered	Extended				Without Backrest	With Backrest	Without Backrest		With Backrest	
			2.0t	2.5t	3.0t	3.5t		2.0t/2.5t	3.0t/3.5t	2.0t/2.5t	3.0t/3.5t			2.0t/2.5t	3.0t/3.5t	2.0t/2.5t	
2-Stage Wide View Mast	M300	3000	2000	2500	3000	3500	2045	2060	3628	3641	4021	4060	120	125/130	120	125/130	6-12
	M330	3300	2000	2500	3000	3500	2195	2210	3928	3941	4321	4360	120	125/130	120	125/130	6-12
	M350	3500	2000	2500	3000	3500	2295	2310	4128	4141	4521	4560	120	125/130	120	125/130	6-12
	M370	3700	2000	2500	3000	3500	2395	2410	4328	4341	4721	4760	120	125/130	120	125/130	6-6
	M400	4000	2000	2500	2950	3450	2495	2510	4628	4641	5021	5060	120	125/130	120	125/130	6-6
	M450	4500	1950	2300	2700	3200	2845	2860	5128	5141	5521	5560	120	125/130	120	125/130	6-6
	M500	5000	1800	2000	2450	2750	3145	3160	5628	5641	6021	6060	120	125/130	120	125/130	6-6
2-Stage Full Free Wide View Mast	FM300	3000	2000	2500	3000	3500	2045	2060	3020	3025	4042	4202	1384	1380	978	838	6-12
	FM330	3300	2000	2500	3000	3500	2195	2210	3320	3325	4342	4502	1534	1530	1128	988	6-12
	FM350	3500	2000	2500	3000	3500	2295	2310	3520	3525	4542	4702	1634	1630	1228	1088	6-12
	FM370	3700	2000	2500	3000	3500	2395	2410	3720	3725	4742	4902	1734	1730	1328	1188	6-6
	FM400	4000	2000	2500	3000	3500	2595	2610	4020	4025	5042	5202	1934	1930	1528	1388	6-6
3-Stage Full Free Wide View Mast	TFM400	4000	2000 +2000	2500 +2500	2950 +3000	3450 +3500	1945	1960	4628	4641	5021	5060	1287	1280	841	860	6-6
	TFM430	4300	2000 +2000	2500 +2500	2950 +3000	3450 +3500	2045	2060	4928	4941	5321	5360	1387	1380	941	960	6-6
	TFM450	4500	1950 +2000	2500 +2500	2850 +3000	3300 +3350	2145	2160	5128	5141	5521	5560	1487	1480	1041	1060	6-6
	TFM480	4800	1900 +1950	2300 +2500	2750 +2950	3100 +3300	2245	2260	5428	5441	5821	5860	1587	1580	1141	1160	6-6
	TFM500	5000	1700 +1900	2100 +2450	2550 +2850	2750 +3100	2295	2310	5628	5641	6021	6060	1637	1630	1191	1210	6-6
	TFM550	5500	1300 +1850	1600 +2350	1700 +2750	1900 +3000	2495	2510	6128	6141	6521	6560	1837	1830	1391	1410	3-6
TFM600	6000	1050 +1700	1250 +2300	1350 +2700	1500 +2900	2695	2710	6628	6641	7021	7060	2037	2030	1591	1610	3-6	



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UN FORKLIFT

F SERIES FORKLIFT TRUCK

Capacity 2.0 ton-3.5 ton (Diesel / Gasoline / LPG)

F Series, the latest internal combustion forklift has undergone a comprehensive redesign led by professional design company. This brand new design brings significant enhancements to both its appearance and performance.



APPEARANCE ★

This series has smooth and streamlined body, giving a more powerful look. The sharp edges and contrast color design of the counterweight make it more attractive.

The electrical system utilizes dynamic LED taillights, imparting a futuristic and highly technological appeal to the vehicle, creating a strong visual impact.



PERFORMANCE ★★

Using internationally renowned Stage V/Tier4F, Mitsubishi 4EG, Kubota and GCT engines, featuring low emissions, high performance, and durability.



Utilizing the new narrow-groove steel mast to reduce the overall vehicle weight & enhance visibility.



Equipped with an interactive dashboard as standard for real-time monitoring.



The new generation LED lighting system not only enhances energy efficiency but also improves the performance and lifespan.



Standard equipped with a load sensing steering system to enhance operational efficiency.



Use a large turning angle steering axle to reduce the turning radius of the truck.



SAFETY ★★★

The stamped overhead guard offers increased durability and reliability, significantly reducing the potential harm from impacts, collapses, or other accidents.



Universal molding of exterior parts enhance production efficiency, facilitates maintenance and replacement.

To enhance protection ratings, all key connectors and joints are waterproof.

The OPS system effectively prevents unintended forklift startup, enhancing overall driving safety.

SUPERIOR ★★★★★ ERGONOMICS

The wide-view mast provides a broader vision.



Implementing a suspension seat (option) has reduced vibrations, alleviated fatigue, and enhanced operational comfort.



The spacious foot space provides easy access for getting on and off, significantly enhancing operational comfort.



The adjustable steering column equip with a small steering wheel for more effortless operation.



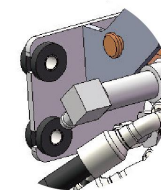
Adopting a new type of ratchet handbrake, effectively reducing operating force.



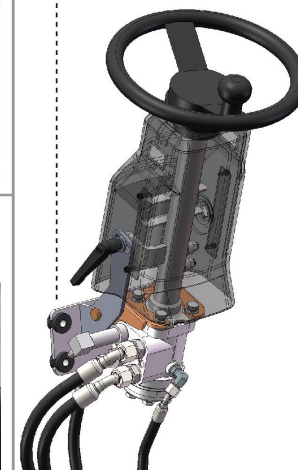
Suspension foot brakes achieve smooth braking and reduce vibrations.



The steering column bracket equipped with standard cushion pads, reducing steering wheel vibration and improving comfort.



Cushion pads



EASY ★★★★★ MAINTENANCE

The detachable side panels make maintenance and cleaning more convenient.

The large opening angle of the engine hood makes it easier to access internal components of the forklift, facilitating easier maintenance.



MAIN SPECIFICATIONS

General	MAIN SPECIFICATIONS					
	1 Manufacturer		UN			
	2 Model		FD20T	FD25T	FD30T	FD35T
	3 Power Type		Diesel	Diesel	Diesel	Diesel
	4 Rated Load Capacity	Q(kg)	2000	2500	3000	3500
	5 Load Centre	C(mm)	500	500	500	500
Characteristic & Dimension	6 Rated Lift Height	H3(mm)	3000	3000	3000	3000
	7 Free Lift Height	H2(mm)	120	120	125	130
	8 Fork Size (L×W×T)	mm	1070×100×40	1070×122×40	1070×122×45	1070×122×50
	9 Mast Tilt Angle (F/R, α°/β°)	deg	6°/12°	6°/12°	6°/12°	6°/12°
	10 Fork Overhang (Wheel Center to Fork Face)	X1(mm)	462	462	467	472
	11 Rear Overhang	X2(mm)	550	550	530	600
	12 Ground Clearance (Bottom of Mast)	H7(mm)	110	110	125	125
	13 Length to Face of Fork (Without Fork)	L1(mm)	2662	2662	2697	2772
	14 Overall Width	B1(mm)	1180	1180	1220	1220
	15 Mast Lowered Height	H1(mm)	2100	2100	2115	2115
	16 Mast Extended Height (With Backrest)	H4(mm)	4198	4198	4213	4213
	17 Overhead Guard Height	H5(mm)	2215	2215	2235	2235
	18 Turning Radius (Outside)	Wa(mm)	2365	2365	2450/2425	2500
	19 Min.Aisle width for pallets	As1(mm)	4120	4120	4120/4180	4255
Performance	20 Travel Speed (No Load)	km/h	19	19	19	19
	21 Lifting Speed (Full Load)	mm/sec	587	552	485	468
	22 Lowering Speed(Full Load/No Load)	mm/sec	≤600/≥300	≤600/≥300	≤600/≥300	≤600/≥300
	23 Max.Drawbar Pull (Full Load/No Load)	KN	14.85-22.73/14.6-22.11	14.85-22.73/14.6-22.11	14.86-22.83/14.55-22.07	14.85-22.89/14.45-21.96
24 Max.Gradeability (Full Load)	%	22-34	22-34	19-30	17-26	
Chassis	25 Tyre (Front x 2)	mm	7.00-12-12PR	7.00-12-12PR	28×9-15-14PR	28×9-15-14PR
	26 Tyre (Rear x 2)	mm	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
	27 Front Tread	B2(mm)	970	970	1000	1000
	28 Rear Tread	B3(mm)	980	980	980	980
29 Wheelbase	Y(mm)	1650	1650	1700	1700	
Weight	30 Total Weight	kg	3889	4129	4479	4839
	31 Front Axle Weight Distribution (Full Load)	kg	5123	5893	6725	7424
	32 Rear Axle Weight Distribution (Full Load)	kg	1765	1235	749	909
	33 Front Axle Weight Distribution (No Load)	kg	1941	1917	2016	1911
34 Rear Axle Weight Distribution (No Load)	kg	1941	2209	2463	2928	
Power & Transmission	35 Battery	VI/Ah	12/90	12/90	12/90	12/90
	36 Engine Model		D04EG(EPA IV) / V2403(EPA IV/Eu V) / S4S(Eu III) / C240PKJ30(Eu III) / D24(Eu V) / 3E22YG51(Eu V) / A498BPG-52(Eu III) / C490BPG-237 (CN II)			
	37 Engine Manufacturer		MITSUBISHI / KUBOTA / MITSUBISHI / ISUZU / HYUNDAI / XINCHAI / XINCHAI / XINCHAI			
	38 Fuel Tank Capacity	L	60	60	60	60
	39 Transmission Type		HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC
	40 Transmission Stage (FWD/RVS)		1/1	1/1	1/1	1/1
	41 Operating Pressure (For Attachments)	Mpa	18.5	18.5	18.5	20.5

XINCHAI

Model: 3E22YG51(Eu V)
Rated output: 44.8KW/2400RPM
Rated torque: 210N.M/1600-1800RPM
No.of cylinder: 4
Bore × Stroke: 94×107MM
Displacement: 2230CC

XINCHAI

Model: A498BPG-521(Eu III)
Rated output: 193KW/1800RPM
Rated torque: 193N.M/1800RPM
No.of cylinder: 4
Bore × Stroke: 98×105MM
Displacement: 3168CC

XINCHAI

Model: C490BPG-237 (CN II)
Rated output: 156KW/1800RPM
Rated torque: 156N.M/1800RPM
No.of cylinder: 4
Bore × Stroke: 90×105MM
Displacement: 2670CC

★ENGINE★

MITSUBISHI

Model: D04EG(EPA IV)
Rated output: 36KW/2250RPM
Rated torque: 177N.M/1800RPM
No.of cylinder: 4
Bore × Stroke: 94×120MM
Displacement: 3331CC

MITSUBISHI

Model: S4S(Eu III)
Rated output: 35.3KW/2250RPM
Rated torque: 177N.M/1700RPM
No.of cylinder: 4
Bore × Stroke: 94×120MM
Displacement: 3331CC

KUBOTA

Model: V2403(EPA IV/Eu V)
Rated output: 43.2KW/2400RPM
Rated torque: 198.5N.M/1500RPM
No.of cylinder: 4
Bore × Stroke: 90×105MM
Displacement: 2670CC

HYUNDAI

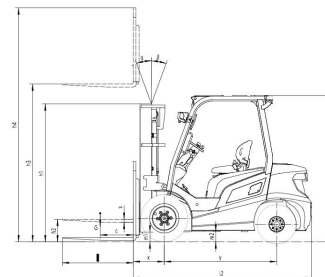
Model: D24(Eu V)
Rated output: 48.2KW/2600RPM
Rated torque: 214N.M/1600RPM
No.of cylinder: 4
Bore × Stroke: 90×94MM
Displacement: 2392CC

ISUZU

Model: C240PKJ30(Eu III)
Rated output: 34.5KW/2500RPM
Rated torque: 139N.M/1800RPM
No.of cylinder: 4
Bore × Stroke: 86×102MM
Displacement: 2369CC

MAIN SPECIFICATIONS

General	1	Manufacturer	UN				LPG				
	2	Model	FGL20T	FGL25T	FGL30T	FGL35T	FL20T	FL25T	FL30T	FL35T	
	3	Power Type	Gasoline/LPG								
Characteristic & Dimension	4	Rated Load Capacity	Q(kg)	2000	2500	3000	3500	2000	2500	3000	3500
	5	Load Centre	C(mm)	500	500	500	500	500	500	500	500
	6	Rated Lift Height	H3(mm)	3000	3000	3000	3000	3000	3000	3000	3000
	7	Free Lift Height	H2(mm)	120	120	125	130	120	120	125	130
	8	Fork Size (L×W×T)	mm	1070×100×40	1070×122×40	1070×122×45	1070×122×50	1070×100×40	1070×122×40	1070×122×45	1070×122×50
	9	Mast Tilt Angle (F/R, α°/β°)	deg	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°	6°/12°
	10	Fork Overhang (Wheel Center to Fork Face)	X1(mm)	462	462	467	472	462	462	467	472
	11	Rear Overhang	X2(mm)	550	550	530	600	550	550	530	600
	12	Ground Clearance (Bottom of Mast)	H7(mm)	110	110	125	125	110	110	125	125
	13	Length to Face of Fork (Without Fork)	L1(mm)	2662	2662	2697	2772	2662	2662	2697	2772
	14	Overall Width	B1(mm)	1180	1180	1220	1220	1180	1180	1220	1220
	15	Mast Lowered Height	H1(mm)	2100	2100	2115	2115	2100	2100	2115	2115
	16	Mast Extended Height (With Backrest)	H4(mm)	4198	4198	4213	4213	4198	4198	4213	4213
	17	Overhead Guard Height	H5(mm)	2215	2215	2235	2235	2215	2215	2235	2235
Performance	18	Turning Radius (Outside)	Wa(mm)	2365	2365	2425	2500	2365	2365	2425	2500
	19	Min.Aisle width for pallets	As1(mm)	4120	4120	4180	4255	4120	4120	4180	4255
	20	Travel Speed (No Load)	km/h	20	20	20	20	20/19	20/19	20/19	20
	21	Lifting Speed (Full Load)	mm/sec	523	523	439	439	523/551	523/551	439/479	439/479
Performance	22	Lowering Speed(Full Load/No Load)	mm/sec	≤600/≥300	≤600/≥300	≤600/≥300	≤600/≥300	≤600/≥300	≤600/≥300	≤600/≥300	
	23	Max.Drawbar Pull (Full Load/No Load)	KN	19.6/19.1	19.6/19.1	19.6/19.1	19.7/19	19.6/19.1	19.6/19.1	19.7/19	
	24	Max.Gradeability (Full Load)	%	29	29	26	23	29	29	26/25	23/22
	Chassis	25	Tyre (Front x 2)	mm	7.00-12-12PR	7.00-12-12PR	28×9-15-14PR	28×9-15-14PR	7.00-12-12PR	7.00-12-12PR	28×9-15-14PR
26		Tyre (Rear x 2)	mm	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR	6.00-9-10PR	6.00-9-10PR	6.50-10-10PR	6.50-10-10PR
27		Front Tread	B2(mm)	970	970	1000	1000	970	970	1000	1000
28		Rear Tread	B3(mm)	980	980	980	980	980	980	980	980
Weight	29	Wheelbase	Y(mm)	1650	1650	1700	1700	1650	1650	1700	1700
	30	Total Weight	kg	3777	4017	4367	4727	3777 / 3790	4017 / 4030	4367 / 4380	4727 / 4740
	31	Front Axle Weight Distribution (Full Load)	kg	5026	5794	6630	7330	5026 / 5037	5794 / 5805	6630 / 6642	7330 / 7342
	32	Rear Axle Weight Distribution (Full Load)	kg	1751	1223	737	897	1751 / 1753	1223 / 1225	737 / 738	897 / 898
Weight	33	Front Axle Weight Distribution (No Load)	kg	1889	1868	1965	1867	1889 / 1895	1868 / 1874	1965 / 1971	1867 / 1872
	34	Rear Axle Weight Distribution (No Load)	kg	1889	2149	2402	2860	1889 / 1895	2149 / 2156	2402 / 2409	2860 / 2868
	35	Battery	V/Ah	12/60	12/60	12/60	12/60	12/60	12/60	12/60	12/60
	Power & Transmission	36	Engine Model	GK25 (EuII)				GK25 (EuII)/HMC 2.4L(EPA IV /Eu V)			
37		Engine Manufacturer	GCT	GCT	GCT	GCT	GCT / HYUNDAI	GCT / HYUNDAI	GCT / HYUNDAI	GCT / HYUNDAI	
38		Rated Output / r.p.m.	kw	35.6/2100				35.6/2100 45.4/2600			
39		Rated Torque / r.p.m.	N·m	176.5/1600				176.5/1600 178.9/2000			
40		No.of Cylinder	4	4	4	4	4	4	4	4	
41		Bore x Stroke	mm	92×93	92×93	92×93	92×93	92×93 / 88×97	92×93 / 88×97	92×93 / 88×97	92×93 / 88×97
42		Displacement	cc	2472	2472	2472	2472	2472 / 2359	2472 / 2359	2472 / 2359	2472 / 2359
43		Fuel Tank Capacity	L	60	60	60	60	60	60	60	60
44		Transmission Type		HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC
45		Transmission Stage (FWD/RVS)		1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
46	Operating Pressure (For Attachments)	Mpa	18.5	18.5	18.5	20.5	18.5	18.5	18.5	20.5	



AST=a+Wa+Ba: (200mm)

LoadCurve

