

INNOVALUE & EXCELLENCE



1.5 - 5.0T
DIESEL/ GASOLINE/ LPG

PATENT NO. ZL 2005 3 0115714.9

FEELER FORKLIFT

Oil and Energy Saving, Environment Protection, high efficiency



Indoor and outdoor forklift operator

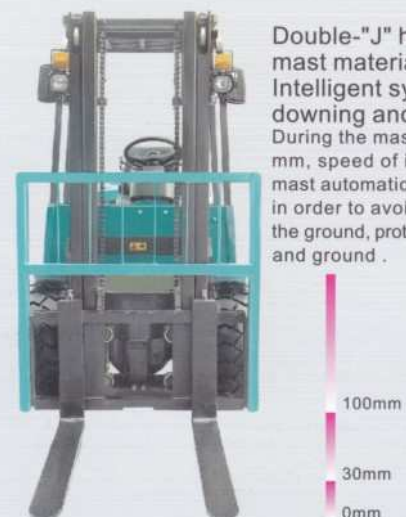
Reasonably low-center gravity design

By computer digital imitation, the most suitable and stable low center of gravity is designed. At the same time, body is welded by high intensity steel plate, assuring forklift being more stable and safe in traveling.



Double-"J" high rigidity mast material and Intelligent system of downing and buffering

During the mast being 100mm~60 mm, speed of intelligent cushion mast automatically becomes slow, in order to avoid the product dash the ground, protecting your products and ground.



- The second shock absorption of the bodywork of levitation type
- Short turning radius



Outside fuel access (option)



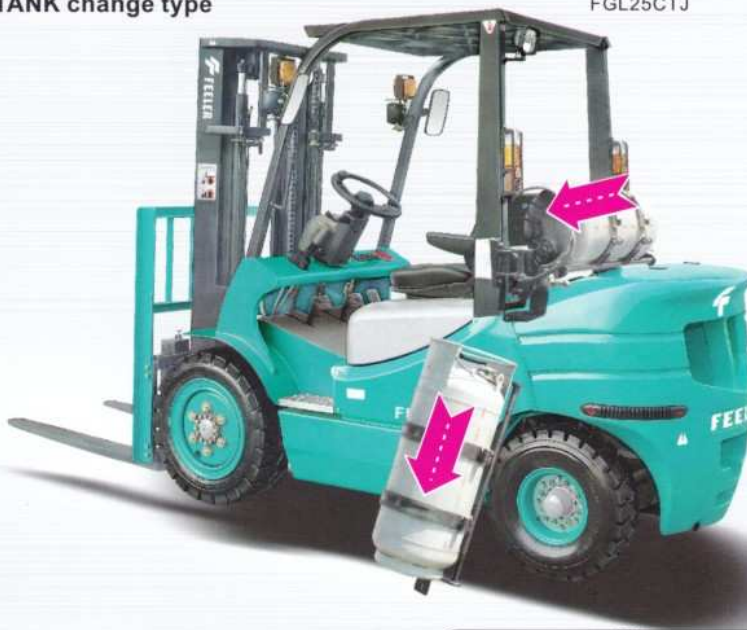
Tilting cylinder which is below -set type and spacious seat
Wide space design for operator moving legs, convenient and free.



Highly qualified battery

LPG TANK change type

FGL25CTJ



Super elastic solid tire
(use on 3—3.5ton)



Shock absorption system
Simple and reliable shock absorption design

Option



Human-based hydraulic steering-handle

The hydraulic steering-handle is on the right of the seat, so the driver can operate easily, as lay the elbow on the armrest of the seat, and the driver's labor intensity is greatly debased.



wider and more comfortable seat(option)



Control valve in the front



Tilt-adjustable steering wheel

According to the working condition and shapes of operators, Tilt-adjustable steering wheel can be adjusted to make operator feel untired after a long time's work.



1 | 2
1 | 1



1. 3 stages or 4 stages full free mast can be made to meet for the special terrain and personnel vision need.
2. The new design of multi-valve, increases the lifting speed while decrease the hydraulic oil and fuel waste.



3 | 4
3 | 3



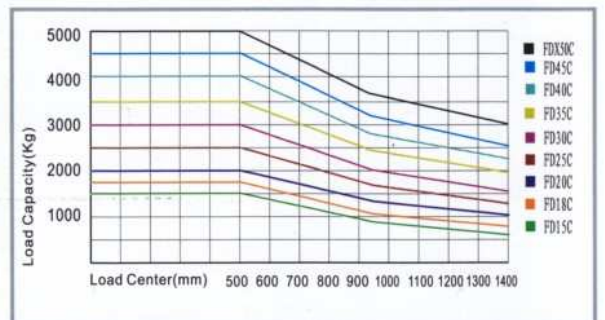
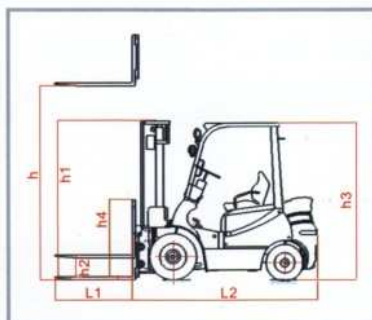
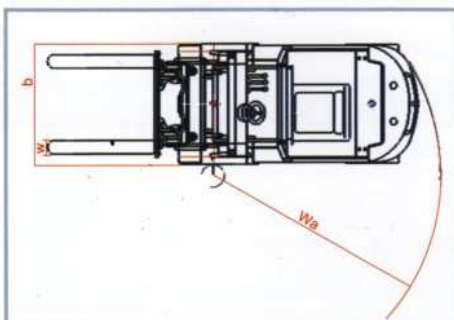
3. The option of Japanese Flexible connection transmission and Korea Wet axle can absorb shake and also strengthen the brake efficiency.
4. Feeler forklift cooperates with a famous American company to manufacture car-carrying weighing forklifts to fit for mining, logistics, express, transportation And also cater for the need of airport, port, and railway station to do the weighing during transit, and the weighing capacity can reach to even 100 ton.

5. According to the different workshops' need, the forklift can uniquely be made to fit for wood factories, rock material factories and other higher dust or higher temperature ground.
6. Feeler forklift cooperates with Italian well-known explosion-prevention Forklift Company to manufacture all kinds of explosion-prevention forklifts as diesel forklifts, gasoline forklifts, LPG forklifts, electric forklifts and so on to cater for the need of petrification industry and Other dangerous industries.

Main Specifications

1.1 Manufacturer			FEELER										
Characteristics	1.2 Model designation	DIESEL GASOLINE/LPG	FD15C(CT)	FD18C(CT)	FD20C(CT)	FD25C(CT)	FD30C(CT)	FD35C(CT)	FD40C(CT)	FD45C(CT)	FD40X/J	FD45X/J	FD50X/J
			FG15C(CT)	FG18C(CT)	FG20C(CT)	FG25C(CT)	FG30C(CT)	FG35C(CT)	FG40C(CT)	FG45C(CT)	FG40X/J	FG45X/J	FG50X/J
	1.3 Load capacity	kg	1500	1800	2000	2500	3000	3500	4000	4500	4000	4500	5000
1.4 Operation		SEAT	SEAT	SEAT	SEAT	SEAT	SEAT	SEAT	SEAT	SEAT	SEAT	SEAT	
1.5 Load centre	mm	500	500	500	500	500	500	500	500	500	500	500	
1.6 Total weight	kg	2675	2910	3600	3800	4450	4550	5390	5600	6150	6370	6650	
Tires	2.1 Tires		Pneumatic										
	2.2 Front tires size		6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	28-9-15-12PR	28-9-15-12PR	250-15-20PR	250-15-20PR	300-15-18PR	300-15-18PR	300-15-18PR
	2.3 Rear tires size		5.00-8-8PR	5.00-8-8PR	18-7-8-14PR	6.50-9-10PR	6.50-10-10PR	6.50-10-10PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR	7.00-12-12PR
	2.4 Wheel number(front/rear)		2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
Dimensions	3.1 Mast tilt, front/rear	Deg	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12	6/12
	3.2 Length to fork face	L2 mm	2230	2270	2540	2565	2680	2720	2970	2970	3090	3110	3154
	3.3 Overall width(single tire)	b mm	1075	1075	1150	1150	1225	1225	1360	1360	1480	1480	1480
	3.4 Height of backrest	h4 mm	1000	1000	1075	1075	1130	1130	1130	1130	1220	1220	1220
	3.5 Lifting height	h mm	3000-5000				3000-6000						
	3.6 Height of overhead guard(cabin)	h3 mm	1995	1995	2070	2070	2090	2090	2230	2230	2290	2290	2290
	3.7 Ground clearance with load,mast	mm	100	100	110	110	110	110	140	140	160	160	160
	3.8 Aisle width with pallet 1000*1200 across forks	mm	3700	3740	3900	3950	4150	4150	4450	4500	5285	5285	5285
	3.9 Min.turning radius	Wa mm	2060	2100	2250	2250	2300	2340	2850	2850	2720	2740	2800
Performance	4.1 Travel speed, with/without load	km/h	0-20								0-25		
	4.2 Lifting speed, with/without load	mm/s	590/650	590/650	600/550	600/550	490/510	490/510	420/450	390/450	450/455	450/455	430/435
	4.3 Lowering speed, with/without load	mm/s	470/430	470/430	550/450	550/450	550/400	550/400	510/400	530/400	350/340	350/340	350/340
	4.4 Climbing ability	%	23						18		20		
	4.5 Service brake		Trend/hydraulic										
Drive	5.1 Manufacturer of Diesel engine		XINCHANG 485BPG ISUZU C240 KUBOTA V2403 YANMAR 4TNE92	XINCHANG 485BPG ISUZU C240 KUBOTA V2403 YANMAR 4TNE92	XINCHANG 490BPG ISUZU C240 ISUZU 4JG2 KUBOTA V3600 KUBOTA V3300 YANMAR 4TNE98				XINCHANG 498BPG DACHAI CA498 ISUZU 4JG2 KUBOTA V3600 KUBOTA V3300 YANMAR 4TNE98			WEICHAI 4105 PERKINS 1104 ISUZU 6BG1	
	5.2 Manufacturer of Gasoline engine		NISSAN K21		NISSAN K25				NISSAN K25			NISSAN TB42G	
Other	6.1 Fuel box capacity	L	35		55			80			80		
	6.2 Working pressure for attachment	mpa	14 -15.5		14 -17			15 -18			20		

• Modification of technical details will be saved to our company with no additional notice to client.



FEELER FORKLIFT

Mast Standard

	MAST MODEL	Max. lifting height/MM	Load Capacity (Load centre 500mm)(kg)										Retract height (h1) mm			
			FD15C	FD18C	FD20C	FD25C	FD30C	FD35C	FD40C	FDX40C	FDX45C	FDX50C	1.5-1.8t	2-2.5t	3-3.5t	4t
2-STAGE MAST	S200	2000	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	1525	1550	1580	1695
	S250	2500	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	1775	1800	1830	1955
	S300	3000	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	2025	2050	2080	2205
	S330	3300	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	2175	2200	2230	2355
	S350	3500	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	2275	2300	2330	2455
	S400	4000	1500	1650	2000	2500	3000	3200	4000	4000	4500	5000	2575	2600	2630	2755
	S430	4300	1400	1500	1900/*2000	2100/*2500	2850/*3000	2850/*3000	3100	3800/*4000	4300/*4500	4800/*5000	2725	2750	2780	2955
	S450	4500	1350	1450	1800/*1900	1800/*2400	2600/*3000	2600/*3000	3100/*3500	3600/*4000	4000/*4500	4600/*4800	2825	2850	2880	3005
	S500	5000	1000/*1250	1000/*1400	1300/*1700	1300/*2200	2100/*2850	2100/*2850	2600/*3000	3100/*3700	3600/*4300	4000/*4600	3125	3150	3180	3255
	S550	5500	*1050	*1250	*1500	*1700	*2400	*2400	-	-	-	-	3375	3400	3430	-
	S600	6000	*800	*1000	*1300	*1400	*2000	*2000	-	-	-	-	3625	3650	3680	-
FULL FREE 2-STAGE MAST	D200	2000	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	1525	1550	1580	1695
	D250	2500	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	1775	1800	1830	1955
	D300	3000	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	2025	2025	2080	2205
	D330	3300	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	2175	2200	2230	2355
	D350	3500	1500	1750	2000	2500	3000	3500	4000	4000	4500	5000	2275	2300	2330	2455
	D400	4000	1500	1650	2000	2500	3000	3200	4000	4000	4500	5000	2575	2600	2630	2755
	D430	4300	1400	1500	1900/*2000	2100/*2500	2850/*3000	2850/*3000	3100	-	-	-	2725	2750	2780	2955
	D450	4500	1350	1450	1800/*1900	1800/*2400	2600/*3000	2600/*3000	3100/*3500	-	-	-	2825	2850	2880	3005
	D500	5000	*1250	1000/*1400	1300/*1700	1300/*2200	2100/*2850	2100/*2850	2600/*3000	-	-	-	3125	3150	3180	3255
	D550	5500	*1050	*1250	*1500	*1700	*2400	*2400	-	-	-	-	3375	3400	3430	-
	D600	6000	*800	*1000	*1300	*1400	*2000	*2000	-	-	-	-	3625	3650	3680	-
FULL FREE 3-STAGE MAST	T400	4000	1400	1800	1900	2400	2900	3300	3600	3900	4400	4900	1875	1900	1930	1940
	T430	4300	1300	1500	1850	2200	2700	3000	3200	3800	4300	4700	1975	2000	2030	2040
	T450	4500	1250	1400/*1550	1700/*1800	1700/*2300	2450/*2800	3000/*3000	3200/*3600	3400	3800	4600	2075	2100	2130	2185
	T470	4700	1200	1000/*1450	1700/*1800	1700/*2300	2450/*2800	3000/*3000	2700/*3600	3400	3800	4600	2125	2150	2180	2252
	T500	5000	*1250	900/*1350	1500/*1750	1500/*2250	2300/*2750	2400/*2850	2700/*3100	3300/*3600	3300/*4100	4400/*4500	2225	2250	2280	2435
	T550	5500	*1200	*1250	1200/*1700	1200/*2150	1700/*2650	1800/*2700	2200/*3100	2900/*3300	2900/*3800	3300/*4300	2425	2450	2480	2518
	T600	6000	*1050	*1000	800/*1600	800/*1800	1200/*2100	1300/*2200	1700/*2600	2200/*3200	2200/*3500	2500/*4000	2625	2650	2680	2685

Note: *---double front tires
Free lift (without backrest) 1.5t-1.8t +465mm; 2t-2.5t +435mm; 3t +580mm; 4t-4.5t +400mm

Engine Option

Brand	XINCHANG			DACHAI	WF	
Model	485BPG	490BPG	498BPG	CA498	R4105	4TN
Exhausted capacity	2.27L	2.54L	3.168L	3.168L	4.1567L	2.65
Specified power	30KW/2600rpm	37KW/2650rpm	45KW/2500rpm	45KW/2450rpm	59KW/2300rpm	32.8KW/2
Max. torque	≥131N.m/1600rpm	≥148N.m/1600rpm	190N.m/1600rpm	190N.m/1900rpm	280N.m/1600-1800rpm	135.4-149.4N
Brand	ISUZU			KUBOTA		
Model	C240	4JG2	6BG1QC-05	V2403	V3300	V3600
Exhausted capacity	2.369L	3.059L	6.494L	2.434L	3.318L	3.620L
Specified power	32.3KW/2300rpm	45.9KW/2400rpm	68.4KW/2000rpm	42.6KW/2600rpm	54.9KW/2600rpm	49.8KW/2600rpm
Max. torque	142N.m/1600rpm	191N.m/1800rpm	333N.m/1500rpm	160N.m/1700rpm	221N.m/1600rpm	221N.m/1600rpm

(Container height limit 40'HQ)

FDX4-5t	Tilt angle	Free lift (h2)(with backrest)(mm)				
		FD15C/18C	FD20C/25C	FD30C/35C	FD40C	FDX40C-50C
1875	6°/12°	-	-	-	-	-
2125	6°/12°	-	-	-	-	-
2375	6°/12°	-	-	-	-	-
2525	6°/12°	-	-	-	-	-
2625	6°/12°	-	-	-	-	-
2875	6°/12°	-	-	-	-	-
3025	6°/6°	-	-	-	-	-
3125	6°/6°	-	-	-	-	-
3375	6°/6°	-	-	-	-	-
-	3°/6°	-	-	-	-	-
-	3°/6°	-	-	-	-	-
1875	6°/12°	530	545	460	460	1075
2125	6°/12°	780	795	710	710	1325
2375	6°/12°	1030	1050	960	960	1575
2525	6°/12°	1180	1195	1110	1110	1725
2625	6°/12°	1280	1295	1210	1210	1825
2875	6°/6°	1580	1595	1510	1510	2075
-	6°/6°	1630	1745	1660	1660	-
-	6°/6°	1730	1845	1760	1760	-
-	6°/6°	2030	2145	2010	2010	-
-	3°/6°	2280	2395	2310	-	-
-	3°/6°	2530	2645	2560	-	-
2230	6°/12°	880	895	685	695	1440
2375	6°/6°	980	995	785	795	1540
2426	6°/6°	1080	1195	985	940	1626
2492	6°/6°	1130	1245	1035	1005	1692
2625	6°/6°	1230	1345	1135	1105	1825
2750	3°/6°	1530	1545	1335	1275	2040
2990	3°/6°	1730	1745	1535	1375	2190

STANDARD EQUIPMENT

- | | | |
|--|-------------------------------------|-------------------------------------|
| 1. Wide view mast | 11. Hydraulic filter | 22. Radiator reservoir |
| 2. Class II (III) carriage | 12. Oil filter | 27. Hour Meter |
| 3. Load backrest | 13. Halogen head lights | 28. Water temperature meter |
| 4. Standard fork | 14. Rear combination lights | 29. Fuel meter |
| 5. Pneumatic tires | 15. Rear view mirrors | 30. Ignition key engine stop(c) |
| 6. Overhead guard | 16. Back-up lamp | 31. Hand grip |
| 7. Standard seat | 17. Electric horn | 32. Operator tool kit |
| 8. Drawbar pin | 18. Neutral safety switch (Tor-Con) | 33. Back-up alarm |
| 9. Air cleaner | 19. Deluxe rubber floor mat | 23. Tilt adjustable steering post |
| 10. 2-spool control valve with pressure relief valve | 20. Head guard canvas | 24. Turn signal lights |
| | 21. Overhead air intake | 25. Lamp guard |
| | | 26. Full hydrostatic power steering |

OPTION

- | | | |
|----------------------------|-----------------------------|--------------------------------|
| 1. Solid tire | 8. Steel protection net | 15. Condition heating |
| 2. Double front tire | 9. Widened fork holder | 16. Dampened-shock chair |
| 3. No mark tire | 10. Supperhigh backrest | 17. Safe belt |
| 4. Single lpg | 11. Lengthen fork | 18. Anti-spark muffler |
| 5. Dual fuel(lpg/gasoline) | 12. Sheath of fork | 19. Vertical exhaust pipe |
| 6. Alarm flash | 13. Windscreen (with wiper) | 20. Dual air cleaner |
| 7. Rear work light | 14. Cab | 21. Customer color |
| | | 22. Three-way catalytic muffle |

Fork Standard

YANMAR		PERKINGS
E92	4TNE98	1104D-44
9L	3.318L	4.4107L
1500rpm	42.1KW/2300rpm	56KW/2200rpm
1600rpm	177.6-196.3 N.m/1700rpm	265N.m/1700rpm
NISSAN		
K21	K25	TB42G
1.982L	2.472L	4.169L
44KW/2300rpm	42.7KW/2400rpm	66KW/2300rpm
1600rpm	179N.m/1600rpm	310N.m/1800rpm

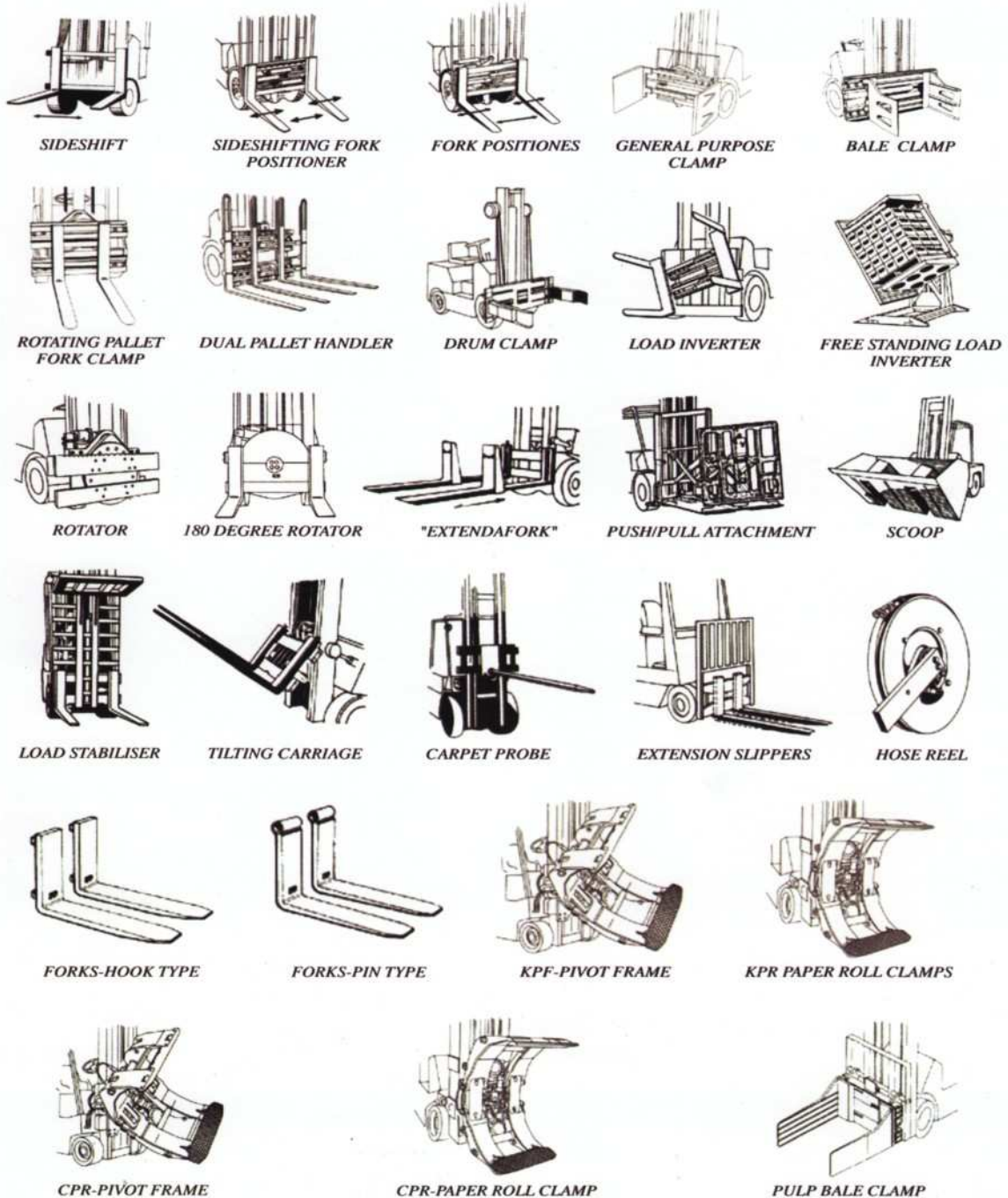
Standard(mm)	W(mm)	T(mm)	L(mm) I1									Model
920x100x35	100	35	770	*920	1070	1220	1370	1520	-	-	-	1.5t
920x100x38	100	38	770	*920	1070	1220	1370	1520	-	-	-	1.8t
1070x122x40	122	40	770	920	*1070	1220	1370	1520	1670	1820	1970	2.0t
1070x122x40	122	40	770	920	*1070	1220	1370	1520	1670	1820	1970	2.5t
1070x125x45	125	45	770	920	*1070	1220	1370	1520	1670	1820	1970	3.0t
1070x125x45	125	45	770	920	*1070	1220	1370	1520	1670	1820	1970	3.5t
1070x150x55	140	50	770	920	*1070	1220	1370	1520	1670	1820	1970	4.0t
1070x150x55	150	50	770	920	*1070	1220	1370	1520	1670	1820	1970	4.5t
1070x150x55	150	50	770	920	*1070	1220	1370	1520	1670	1820	1970	5.0t



Please read the operating manual closely before you drive the forklift, in order to make sure you operating feeler forklift conveniently and freely. Feeler forklift continually renew and improve the products, thus maybe some function and model is different from the catalogues.



Attachments for forklifts Please note that the units below are for illustration purposes only



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