

CE EPA ISO9001

YOUR BEST PARTNER TODAY & TOMORROW



FEELER FORKLIFT INTERNAL COMBUSTION TRUCKS DIESEL/GASOLINE/LPG 1.5-4.5ton



PATENT NO. ZL 2005 3 0115714.9

GOOD FRIEND INTERNATIONAL HOLDINGS
友佳國際控股

FEELER FORKLIFT

Oil and Energy Saving, Environment Protection, high efficiency



Indoor and outdoor forklift op

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.



Reasonably low-center gravity design

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

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



YOUR BEST PARTNER TODAY & TOMORROW

- 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



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



Shock absorption system
Simple and reliable shock absorption design

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.



Control valve in the front (option)



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.

Main specifications											
1.1 Manufacturer		FEELER	FEELER	FEELER	FEELER	FEELER	FEELER	FEELER	FEELER	FEELER	FEELER
1.2 Model designation	DIESEL GASOLINE/LPG	FD15C(CT)	FD18C(CT)	FD20C(CT)	FD25C(CT)	FD30C(CT)	FD35C(CT)	FD40C(CT)	FD45C(CT)		
1.3 Load capacity	kg	1500	1800	2000	2500	3000	3500	4000	4500		
1.4 Operation	SEAT	SEAT	SEAT	SEAT	SEAT	SEAT	SEAT	SEAT	SEAT		
1.5 Load centre	mm	500	500	500	500	500	500	500	500		
1.6 Total weight	kg	2675	2910	3600	3800	4450	4550	5390	5600		
2.1 Tires		Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	Pneumatic	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		
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	700-12	700-12		
2.4 Wheel number(front/rear)		2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2		
3.1 Mast tilt, front/rear	Deg	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		
3.3 Overall width(single tire)	b mm	1075	1075	1150	1150	1225	1225	1360	1360		
3.4 Height of backrest	h4 mm	1000	1000	1075	1075	1130	1130	1130	1130		
3.5 Lifting height	h1 mm	3000-5000		3000-6000		3000-6000		3000-6000			
3.6 Height of overhead guard(cabin)	h3 mm	1995	1995	2070	2070	2090	2090	2230	2230		
3.7 Ground clearance with load,mast	mm	100	100	110	110	110	110	140	140		
3.8 Axle width with pallet 1000*1200 across forks	mm	3700	3740	3900	3950	4150	4150	4450	4500		
3.9 Min. turning radius	Wa mm	2060	2100	2250	2250	2300	2340	2850	2850		
4.1 Travel speed, with/without load	km/h	0~20		0~20		0~20		0~20			
4.2 Lifting speed, with/without load	mm/s	590/650	590/650	450/550	450/550	410/510	410/510	370/450	330/450		
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		
4.4 Climbing ability	%	23	23	23	23	23	23	18	18		
4.5 Service brake	Trend/hydraulic		Trend/hydraulic		Trend/hydraulic		Trend/hydraulic		Trend/hydraulic		
Drive	5.1	XINCHANG 485BPG		XINCHANG 485BPG		XINCHANG 490BPG		XINCHANG 490BPG		XINCHANG 498BPG	
		ISUZU C240		ISUZU C240		ISUZU C240		ISUZU C240		DACHAI CA498	
		KUBOTA V2403		KUBOTA V2403		KUBOTA V3600		KUBOTA V3600		KUBOTA V3600	
		YANMAR 4TNE92		YANMAR 4TNE92		KUBOTA V3300		KUBOTA V3300		KUBOTA V3300	
		YANMAR 4TNE98		YANMAR 4TNE98		YANMAR 4TNE98		YANMAR 4TNE98		YANMAR 4TNE98	
Other	6.1	Manufacturer of Gasoline engine	NISSAN K21	NISSAN K21	WANFENG 491	NISSAN K25	WANFENG 491	NISSAN K25	WANFENG 491	NISSAN K25	
		Fuel box capacity	L	35	55	80					
6.2	Working pressure for attachment		mpa	14-15.5	14-17			15-18			

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



Exhaust capacity	2.27L
Specified power	30KW / 2600rpm
Max torque	≥131 N.m / 1600rpm

XINCHANG 490BPG

Exhaust capacity	2.54L
Specified power	37KW / 2650rpm
Max torque	≥148 N.m / 1600rpm

XINCHANG 498BPG

Exhaust capacity	3.168L
Specified power	45KW / 2500rpm
Max torque	190 N.m / 1600rpm

DACHAI CA498

Exhaust capacity	3.168L
Specified power	45KW / 2450rpm
Max torque	190 N.m / 1900rpm

ISUZU C240

Exhaust capacity	2.369L
Specified power	32.3KW / 2300rpm
Max torque	142 N.m / 1600rpm

ISUZU 4JG2

Exhaust capacity	3.059L
Specified power	45.9KW / 2400rpm
Max torque	191 N.m / 1800rpm

NISSAN K21

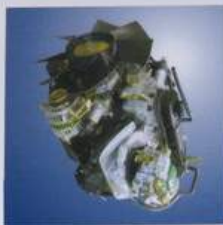
Exhaust capacity	1.982L
Specified power	32.4KW / 2300rpm
Max torque	145 N.m / 1600rpm

NISSAN K25

Exhaust capacity	2.472L
Specified power	42.7KW / 2400rpm
Max torque	179 N.m / 1600rpm

WANFENG 491

Exhaust capacity	2.237L
Specified power	42KW / 3000rpm
Max torque	≥161 N.m / 1800-2200rpm



Exhaust capacity	2.434L
Specified power	42.6KW / 2600rpm
Max torque	160 N.m / 1700rpm

KUBOTA V2403

Exhaust capacity	3.318L
Specified power	54.9KW / 2600rpm
Max torque	221 N.m / 1600rpm

KUBOTA V3300

Exhaust capacity	3.318L
Specified power	54.9KW / 2600rpm
Max torque	221 N.m / 1600rpm

KUBOTA V3600

Exhaust capacity	3.620L
Specified power	49.8KW / 2600rpm
Max torque	221 N.m / 1600rpm



3-STAGE MAST

S200	2000	1500	1750	2000	2500	3000	3500	4000	4500	1745	1800	1815	2175	-	-	-	-	-	6°/12°			
S250	2500	1500	1750	2000	2500	3000	3500	4000	4500	1995	2000	2065	2380	-	-	-	-	-	6°/12°			
S300	3000	1500	1750	2000	2500	3000	3500	4000	4500	2145	2150	2215	2525	-	-	-	-	-	6°/12°			
S330	3300	1500	1750	2000	2500	3000	3500	4000	4500	2245	2250	2315	2625	-	-	-	-	-	6°/12°			
S350	3500	1500	1750	2000	2500	3000	3500	4000	4500	2245	2250	2315	2625	-	-	-	-	-	6°/12°			
S400	4000	1400	1600	1900	2300	2650	3200	3800	4100	2545	2550	2615	2925	-	-	-	-	-	6°/6°			
S425	4250	1300	1450	1800	2000	2650	3000	3600	3950	2670	2675	2740	3050	-	-	-	-	-	6°/6°			
S450	4500	1200	1400	1600	1750	2400	2750	3450	3800	2795	2800	2865	3175	-	-	-	-	-	6°/6°			
S500	5000	1000	1000	1200	1250	2000	2200	2950	3500	2990	3050	3115	3425	-	-	-	-	-	6°/6°			
D200	2000	1500	1750	2000	2500	3000	3500	4000	4500	1495	1495	1570	1940	485	485	495	350	350	975	975	6°/12°	
D250	2500	1500	1750	2000	2500	3000	3500	4000	4500	1745	1745	1820	2175	735	735	745	600	600	1225	1225	6°/12°	
D300	3000	1500	1750	2000	2500	3000	3500	4000	4500	1995	1995	2070	2375	985	985	995	850	850	1575	1575	6°/12°	
D330	3300	1500	1750	2000	2500	3000	3500	4000	4500	2145	2145	2220	2525	1135	1135	1145	1000	1000	1725	1725	6°/12°	
D350	3500	1500	1750	2000	2500	3000	3500	4000	4500	2245	2245	2320	2625	1235	1235	1245	1100	1100	1825	1825	6°/12°	
D400	4000	1400	1600	2000	2300	2850	3200	3500	4000	2545	2545	2620	2925	1535	1535	1545	1400	1400	2075	2075	6°/6°	
D425	4250	1300	1450	1900	2100	2650	3000	3300	3600	2670	2670	2745	2955	1655	1655	1670	1525	1525	2220	2220	6°/6°	
D450	4500	1200	1350	1650	1750	2400	2750	2900	3050	2795	2795	2870	2980	1785	1785	1795	1650	1650	2300	2300	6°/6°	
D500	5000	1000	1050	1200	1200	1950	2200	2750	2900	2970	3045	3120	3230	2030	2030	2045	1920	1920	2475	2475	6°/6°	
T400	4000	1400	1600	1900	2400	2800	3500	3800	4250	1995	1920	2065	2180	880	880	880	795	795	1458	1458	6°/6°	
T435	4350	1350	1550	1800	2100	2600	3000	3500	3750	2040	2045	2190	2240	1000	1000	1005	920	920	1575	1575	6°/6°	
T450	4500	1300	1500	1700	1800	2300	2750	3000	3250	2090	2095	2240	2340	1055	1055	1055	970	970	1625	1625	6°/6°	
T470	4700	1200	1300	1600	1700	1800	2500	2700	2160	2160	2160	2340	2370	1120	1120	1120	1050	1050	1672	1672	6°/6°	
T500	5000	900	1000	1400	1450	1700	2400	2000	2290	2295	2440	2565	2790	1150	1150	1255	1170	1170	1825	1825	6°/6°	
T550	5500	700	750	1100	1150	1600	1900	1700	1750	2450	2450	2565	2790	1380	1380	1380	1295	1295	1950	1950	3°/6°	
T600	6000	500	550	650	700	900	850	1000	1200	2650	2650	2790	2900	1585	1585	1605	1605	1520	1520	2190	2190	3°/6°

Note: free lift (without backrest) 1.5t-1.8t +465mm; 2t-2.5t +435mm ; 3t +580mm; 4t-4.5t +400mm

Fork Standard

STANDARD(MM)	W (MM)	T(MM)	L(MM) L1										MODEL	
920×100×35	100	35	770	*920	1070	1220	1370	1520	-	-	-	-	1.5噸	
920×100×38	100	38	770	*920	1070	1220	1370	1520	-	-	-	-	1.8噸	
1070×122×40	122	40	770	*920	*1070	1220	1370	1520	1670	1820	1970	2.0噸		
1070×122×40	122	40	770	*920	*1070	1220	1370	1520	1670	1820	1970	2.5噸		
1070×125×45	125	45	770	*920	*1070	1220	1370	1520	1670	1820	1970	3.0噸		
1070×125×45	125	45	770	*920	*1070	1220	1370	1520	1670	1820	1970	3.5噸		
1070×150×55	140	50	770	*920	*1070	1220	1370	1520	1670	1820	1970	4.0噸		
1070×150×55	150	50	770	*920	*1070	1220	1370	1520	1670	1820	1970	4.5噸		

STANDARD EQUIPMENT >>>>

1. Wide view mast

2. Class II (III) carriage

3. Load backrest

4. Standard fork

5. Advanced tires

6. Overhead guard

7. Standard seat

8. Drawbar pin

9. Air cleaner

10-23. steel control valve
- 14 Rear combination lights

15 Rear view mirrors

16 Back-up lamp

17 Electric horn

18 Neutral safety switch (Tor-Con)

19 Deluxe rubber floor mat

20 Head guard canvas

21 Overhead air intake

22 Radiator reservoir

23. Tiltable steering post
- 27 Hour Meter

28. Water temperature meter

29. Fuel meter

30 Ignition key engine stop(c)

31 Hand grip

32. Operator tool kit

33 Back-up alarm

OPTION >>>>

1. Solid tire

2. Double front tire

3. No mark tire

4. Single lpg

5. Dual fuel(lpg/gasoline)

6. Alarm flash

7. Rear work light

8. Steel protection net

9. Widened fork holder

10. Superhigh backrest
- 14 Cab

15. Condition heating

16 Dampened-shock chair

17 Safe belt

18. Anti-spark muffler

19 Vertical exhaust pipe

20 Dual air cleaner

21. Customer color

22. Three-way catalytic muffler

(Container height limit 40'HQ)

Mast Standard																							
	MAST MODEL	Max. lifting height	Load Capacity (Load centre 500mm)(kg)								Retract height(h2) mm				Free lift (with backrest)(mm)								Tilt angle
		mm	FD15C	FD18C	FD20C	FD25C	FD30C	FD35C	FD40C	FD45C	1.5-1.8t	2-2.5t	3-3.5t	4-4.5t	FD15C	FD18C	FD20C	FD25C	FD30C	FD35C	FD40C	FD45C	F/B
2-STAGE MAST	S200	2000	1500	1750	2000	2500	3000	3500	4000	4500	1495	1500	1565	1930	-	-	-	-	-	-	-	-	6°/12°
	S250	2500	1500	1750	2000	2500	3000	3500	4000	4500	1745	1800	1815	2175	-	-	-	-	-	-	-	-	6°/12°
	S300	3000	1500	1750	2000	2500	3000	3500	4000	4500	1995	2000	2065	2380	-	-	-	-	-	-	-	-	6°/12°
	S330	3300	1500	1750	2000	2500	3000	3500	4000	4500	2145	2150	2215	2525	-	-	-	-	-	-	-	-	6°/12°
	S350	3500	1500	1750	2000	2500	3000	3500	4000	4500	2245	2250	2315	2625	-	-	-	-	-	-	-	-	6°/12°
	S400	4000	1400	1600	1900	2300	2850	3200	3800	4100	2545	2550	2615	2925	-	-	-	-	-	-	-	-	6°/6°
	S425	4250	1300	1450	1800	2000	2650	3000	3600	3950	2670	2675	2740	3050	-	-	-	-	-	-	-	-	6°/6°
	S450	4500	1200	1400	1600	1750	2400	2750	3450	3800	2795	2800	2865	3175	-	-	-	-	-	-	-	-	6°/6°
	S500	5000	1000	1000	1200	1250	2000	2200	2950	3500	2990	3050	3115	3425	-	-	-	-	-	-	-	-	6°/6°
FULL FREE 2-STAGE MAST	D200	2000	1500	1750	2000	2500	3000	3500	4000	4500	1495	1495	1570	1940	485	485	495	495	350	350	975	975	6°/12°
	D250	2500	1500	1750	2000	2500	3000	3500	4000	4500	1745	1745	1820	2175	735	735	745	745	600	600	1225	1225	6°/12°
	D300	3000	1500	1750	2000	2500	3000	3500	4000	4500	1995	1995	2070	2375	985	985	995	995	850	850	1575	1575	6°/12°
	D330	3300	1500	1750	2000	2500	3000	3500	4000	4500	2145	2145	2220	2525	1135	1135	1145	1145	1000	1000	1725	1725	6°/12°
	D350	3500	1500	1750	2000	2500	3000	3500	4000	4500	2245	2245	2320	2625	1235	1235	1245	1245	1100	1100	1825	1825	6°/12°
	D400	4000	1400	1600	2000	2300	2850	3200	3500	4000	2545	2545	2620	2925	1535	1535	1545	1545	1400	1400	2075	2075	6°/6°
	D425	4250	1300	1450	1900	2100	2650	3000	3000	3300	2670	2670	2745	2955	1655	1655	1670	1670	1525	1525	2220	2220	6°/6°
	D450	4500	1200	1350	1650	1750	2400	2750	2900	3050	2795	2795	2870	2980	1785	1785	1795	1795	1650	1650	2300	2300	6°/6°
	D500	5000	1000	1050	1200	1200	1950	2200	2750	2900	2970	3045	3120	3230	2030	2030	2045	2045	1920	1920	2475	2475	6°/6°
FULL FREE 3-STAGE MAST	T400	4000	1400	1600	1900	2400	2800	3500	3800	4250	1995	1920	2065	2180	880	880	880	880	795	795	1458	1458	6°/6°
	T435	4350	1350	1550	1800	2100	2600	3000	3500	3750	2040	2045	2190	2240	1000	1000	1005	1005	920	920	1575	1575	6°/6°
	T450	4500	1300	1500	1700	1800	2300	2750	3000	3250	2090	2095	2240	2340	1055	1055	1055	1055	970	970	1625	1625	6°/6°
	T470	4700	1200	1300	1600	1700	1800	2500	2500	2700	2160	2160	2340	2370	1120	1120	1120	1120	1050	1050	1672	1672	6°/6°
	T500	5000	900	1000	1400	1450	1700	2400	2000	2200	2290	2295	2440	2565	1150	1150	1255	1255	1170	1170	1825	1825	6°/6°
	T550	5500	700	750	1100	1150	1600	1900	1700	1750	2450	2450	2565	2790	1380	1380	1380	1380	1295	1295	1950	1950	3°/6°
T600	6000	500	550	650	700	900	850	1000	1200	2650	2650	2790	2900	1585	1585	1605	1605	1520	1520	2190	2190	3°/6°	
Note: free lift (without backrest) 1.5t-1.8t +465mm; 2t-2.5t +435mm ; 3t +580mm; 4t-4.5t +400mm																							

Fork Standard												
STANDARD(MM)	W (MM)	T(MM)	L(MM) L1									MODEL
920×100×35	100	35	770	*920	1070	1220	1370	1520	-	-	-	1.5噸
920×100×38	100	38	770	*920	1070	1220	1370	1520	-	-	-	1.8噸
1070×122×40	122	40	770	920	*1070	1220	1370	1520	1670	1820	1970	2.0噸
1070×122×40	122	40	770	920	*1070	1220	1370	1520	1670	1820	1970	2.5噸
1070×125×45	125	45	770	920	*1070	1220	1370	1520	1670	1820	1970	3.0噸
1070×125×45	125	45	770	920	*1070	1220	1370	1520	1670	1820	1970	3.5噸
1070×150×55	140	50	770	920	*1070	1220	1370	1520	1670	1820	1970	4.0噸
1070×150×55	150	50	770	920	*1070	1220	1370	1520	1670	1820	1970	4.5噸

STANDARD EQUIPMENT >>>

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

OPTION >>>

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



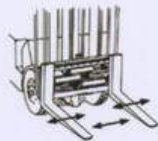
Please read the operating manual closely before you drive the forklift, in order to make sure you operating feeler forklift conveniently and freely. Feeler forklift continually renew and improve the products, thus maybe some function and model is different from the catalogues.

Attachments for Forklifts

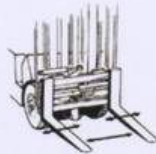
Please note that the units below are for illustration purposes only.



SIDESHIFT



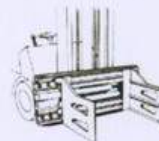
SIDESHIFTING FORK POSITIONER



FORK POSITIONER



GENERAL PURPOSE CLAMP



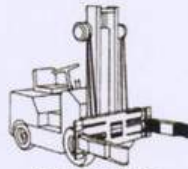
BALE CLAMP



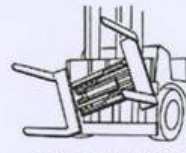
ROTATING PALLET FORK CLAMP



DUAL PALLET HANDLER



DRUM CLAMP



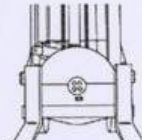
LOAD INVERTER



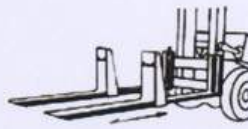
FREE STANDING LOAD INVERTER



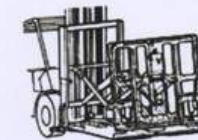
ROTATOR



180 DEGREE ROTATOR



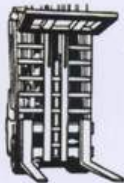
"EXTENDAFORK"



PUSH/PULL ATTACHMENT



SCOOP



LOAD STABILISER



TILTING CARRIAGE



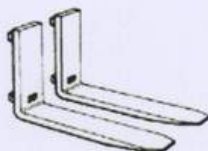
CARPET PROBE



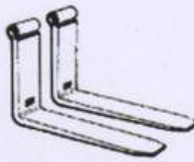
EXTENSION SLIPPERS



HOSE REEL



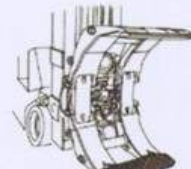
FORKS-HOOK TYPE



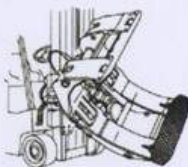
FORKS-PIN TYPE



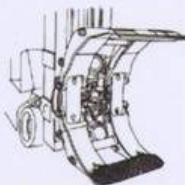
KPF-PIVOT FRAME



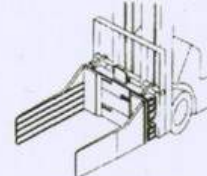
KPF PAPER ROLL CLAMPS
(kraft paper)



CPR-PIVOT FRAME



CPR-PAPER ROLL CLAMP
(coated stock)



PULP BALE CLAMP



友佳國際控股
杭州友高精密機械有限公司
HANGZHOU GLOBAL FRIEND PRECISION MACHINERY CO.,LTD.
ADD:NO.431,14th Street Hangzhou Economy & Technology Development Area, Zhejiang, China
TEL: +86-571-8685-3366
FAX: +86-571-8689-3018

[Http://www.feelerforklift.com](http://www.feelerforklift.com)



友嘉實業集團
FAIR FRIEND ENT. GROUP.

For detailed specification,
please telephone dealer.

2008.4.25 No.1