

TEU

Efficient Forklift
EFFO LI

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- These products and specifications are subject to change without notice.
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- Features and specifications may vary depending on markets.
- Performance data and dimensions are nominal and subject to tolerances.



Manufactured by

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Distributed by

Li-Ion Powered Forklift Trucks
2.0-4.0Ton
(Counter-Balanced Type)

Efficient Forklift

EFFO LI

Second to None Revolutionary Forklift Trucks Freshly Debuted

Succeeding TEU' s traditional product concepts of superb performance and quality,we hereby announce a new type of forklift truck,offering incomparable ruggedness and operator-friendly features.It' s the newly debuted **EFFO LI**.TEU has fully upgraded and redesigned **EFFO LI** for easier access,greater comfort,improved maneuverability,assrued safty,and longer durability. Thanks to TEU' s outstanding technological expertise and strengths,the **EFFO LI** forklift truck achieves optimum performance for its class while providing outstanding comfort and safty.

High-Powered



Revolutionary performance improvement

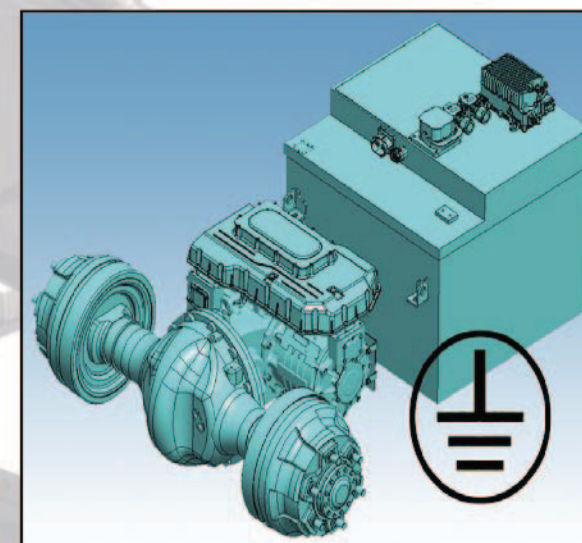
Compared with the traditional battery forklift truck, the full-load driving speed increases by 33%, and the full-load lifting speed grows 92%!



Strong power

No any problem for heavy load and large angle slope. There are also many modes that can be freely switched to meet the requirements of different working environments.

Safety Protection



Multiple electric leakage monitoring

BMS, multiple insulation monitoring systems for driving motors and pump motors, that is automobile-grade insulation design is far higher than industrial-grade high-voltage safetyprotection standards.



More than waterproof

The vehicle waterproof reaches to IP65 level, the cabin can be directly washed and meets the use requirements of rainy days and bad working conditions.

Energy Efficiency And Intelligence



Low energy consumption and high endurance

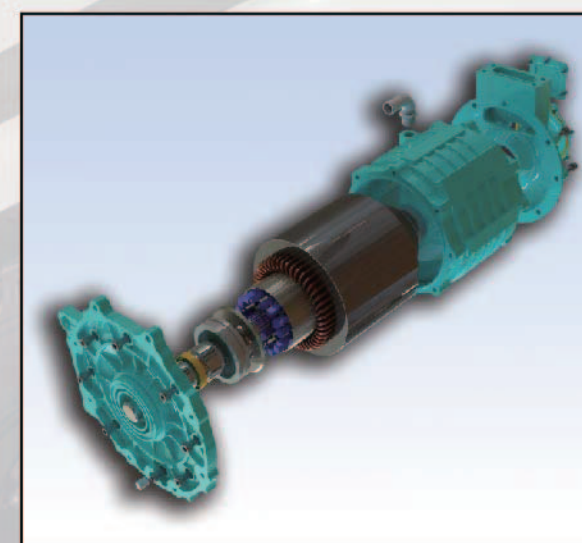
With High-voltage drive and permanent magnet synchronization technology, the energy consumption is reduced greatly and the endurance reaches 8 hours. (Data Condition: JB/T3300 Intensified Test Standard, 3-ton Standard Vehicle, 220Ah).



Intelligent Instrument

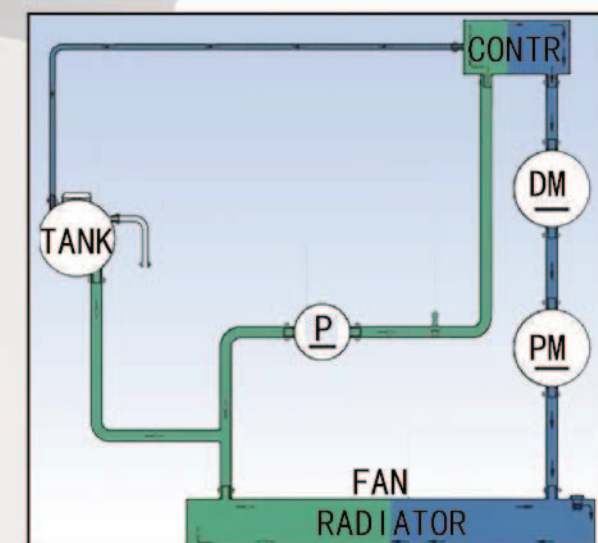
Multi function intelligent color screen instrument, more intuitive display of vehicle operation parameters

Efficient And Reliable



High efficiency permanent magnet synchronous motor

The double permanent magnet synchronous motor, with smaller volume, lighter weight, lower current, larger starting torque, stronger loading capacity, lower energy consumption and less heating. The Vehicle's reliable performance and durability have been verified by 500-hour intensive test.



Water-cooled cooling system

Both the motor and the electric control adopt water cooling. The cooling fan is controlled by the controller to turn on, high and low speed. It can be used safely even in hot summer.

TECHNOLOGY SPECIFICATION

SPECIFICATION	1	Manufacturer				TEU				
	2	Model				FLB20	FLB25	FLB30	FLB35	FLB40
	3	Max.lift capacity			kg	2000	2500	3000	3500	4000
	4	Load center			mm	500				
	5	Power unit				Lithium Iron phosphate Battery (LFP Battery)				
	6	Operator type				Driver/seat				
	7	Tires type		fwd/bwd		Pneumatic				
	8	Wheel(x=driving)		fwd/bwd		2X/2				
DIMENSIONS	9	Max.lift height			mm	3000				
	10	Free lift			mm	160		150		
	11	Fork size		L*W*T	mm	1070x122x40		1070x125x45	1070x125x50	1070x155x50
	12	Tilt angle		fwd/bwd	deg	6/12				
	13	Total length without fork			mm	2460	2530	2705	2760	2870
	14	Total width			mm	1150		1225	1285	1365
	15	Mast height (fork lowered)			mm	1995		2075		2125
	16	Overall height fork raised		with backrest	mm	4030		4250		4250
	17	Height of head guard			mm	2120		2140		2140
	18	Turning raduis (outside)			mm	2190	2260	2445	2495	2530
	19	Distance from front wheel center to forks face			mm	466		480	485	485
PERFORMANCE	20	Right angle stacking aisle (excluding goods length and clearance)			mm	2615	2690	2925	2980	3015
	21	Speed	Max. travelling speed	full load	km/h	20		20		
	no load			km/h	20		20			
	Lifting speed		full load	mm/s	480	460	420	380	380	
			no load	mm/s	500		480	460	480	
	Lowering speed		full load	mm/s	410	400	400	380	410	
			no load	mm/s	450	450	420	400	400	
	24	Maximum traction force		full load/no load	kg	1650/830		1300/1000	1800/1000	
	25	Maximum Gradeability		full load/no load	%	20/20		20/20		
WEIGHTS	26	Truck weight			kg	3280	3750	4265	4520	4990
	27	Weight Distribution (with standard battery)	Full load	front	kg	4730	5400	6360	6940	7890
				rear	kg	550	850	905	1080	1100
			No load	front	kg	1490	1360	1660	1550	1780
				rear	kg	1790	2390	2605	2970	3210
CHASSIS & WHEELS	28	Tires	Number	front/rear		2/2				
			Model	front axle		7.00-12-12PR		28x9-15-12PR		250-15-16PR
				rear axle		6.00-9-10PR		6.50-10-10PR		6.5-10-10PR
	29	Wheelbase			mm	1620		1700		1800
	30	Tread		front	mm	970		1000	1060	1120
				rear	mm	970		970		
				31	Ground Clearance	At lowest point (mast)		mm	110	
	Frame		mm			105		125		
	32	Brake	Service brake			Hydraulic-foot pedal				
			Parking brake			Mechanical-hand lever				
DRIVE LINE	33	Battery (standard)	Voltage/capacity		V	153.6V/230AH		153.6V/230AH		
	34	Electric motors	Drive motor		KW	20				
			Hydraulic motor		KW	20				

When the products and specifications of TEU are changed due to improvement, TEU will not give further notice.

Two stage wide view mast--VM

Mast model	Load centre 500mm					Max.lifting height	Mast height						Tilt range	Self-weight (with standard battery)				
	FLB20	FLB25	FLB30	FLB35	FLB40		fork lowered			fork raise (with backrest)				FLB20	FLB25	FLB30	FLB35	FLB40
							FLB20/25	FLB30/35	FLB40	FLB20/25	FLB30/35	FLB40	forward/ backward					
	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	degree	kg	kg	kg	kg	kg
VM250	2000	2500	3000	3500	4000	2500	1745	1825	1900	3530	3750	3750	6-12	3240	3710	4235	4470	4940
VM270	2000	2500	3000	3500	4000	2700	1845	1925	2000	3730	3950	3950	6-12	3255	3725	4250	4490	4960
VM300	2000	2500	3000	3500	4000	3000	1995	2075	2150	4030	4250	4250	6-12	3280	3750	4265	4520	4990
VM330	2000	2500	3000	3500	4000	3300	2145	2225	2300	4330	4550	4550	6-12	3305	3775	4300	4550	5020
	2000	2500	3000	3500	4000	3500	2245	2325	2400	4530	4750	4750	6-12	3320	3790	4315	4570	5040
VM366	2000	2500	3000	3500	4000	3660	2350	2405	2480	4780	4910	4910	6-12	3335	3805	4325	4585	5055
VM375	2000	2500	3000	3500	4000	3750	2370	2425	2600	5030	5000	5000	6-6 *6-12	3340	3810	4330	4590	5060
VM400	1900 *2000	2450 *2500	3000	3500	4000	4000	2545	2625	2700	5280	5250	5250	6-6 *6-12	3360	3830	4395	4650	5120
VM450	1900 *1950	2150 *2450	2900 *3000	3000 *3500	3400 *4000	4500	2795	2875	2950	5530	5750	5750	6-6 *6-12	3400	3870	4435	4700	5160
VM475	1800 *1850	1850 *2350	2800 *2950	2900 *3400	3300 *3850	4750	2920	3000	3075	5780	6000	6000	6-6 *6-6	3420	3890	4440	4700	5190
VM500	1652 *1700	1700 *2250	2700 *2850	2800 *3300	3200 *3700	5000	3045	3125	3200	6030	6250	6250	6-6 *6-6	3400	3910	4480	4750	5210
VM550	*1500	*1700	*2400	*2700	*3100	5500	3345	3425	3500	6530	6750	6750	*3-6	3635	4105	4705	4980	5430
VM600	*1300	*1400	*2000	*2300	*2700	6000	3595	3675	3750	7030	7250	7250	*3-6	3675	4145	4745	5020	5470

Two stage full free mast---VFM

Mast model	Load centre 500mm					Max.lifting height	Mast height					Free lift (with backrest)		Tilt range	Self-weight (with standard battery)				
	FLB20	FLB25	FLB30	FLB35	FLB40		fork lowered			fork raise (with backrest)		FLB20/25	FLB30/35 /40		FLB20	FLB25	FLB30	FLB35	FLB40
							FLB20/25	FLB30/35	FLB40	FLB20/25	FLB30/35 /40								
	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	degree	kg	kg	kg	kg	kg
VFM250	2000	2500	3000	3500	4000	2500	1745	1825	1875	3530	3760	745	600	6-12	3200	3540	4190	4580	4900
VFM270	2000	2500	3000	3500	4000	2700	1845	1925	1975	4030	3960	845	700	6-12	3215	3555	4210	4600	4920
VFM300	2000	2500	3000	3500	4000	3000	1995	2075	2125	4030	4260	995	850	6-12	3245	3585	4240	4630	4950
VFM330	2000	2500	3000	3500	4000	3300	2145	2225	2275	4330	4560	1145	1000	6-12	3270	3610	4260	4650	4975
VFM350	2000	2500	3000	3500	4000	3500	2245	2325	2375	4530	4760	1245	1100	6-12	3285	3625	4280	4670	4995

Three stage full free mast--VFSM

Mast model	Load centre 500mm					Max.lifting height	Mast height					Free lift (with backrest)		Tilt range	Self-weight (with standard battery)				
	FLB20	FLB25	FLB30	FLB35	FLB40		fork lowered			fork raise (with backrest)					FLB20	FLB25	FLB30	FLB35	FLB40
							FLB20/25	FLB30/35	FLB40	FLB20/25	FLB30/35 /40	FLB20/25	FLB30/35 /40	forward/ backward degree					
	kg	kg	kg	kg	kg		mm	mm	mm	mm	mm	mm	mm	mm	mm	degree	kg	kg	kg
VFSM360	2000	2500	3000	3500	4000	3600	1745	1825	1825	4630	4860	745	600	6-6 *6-10	3350	3690	4350	4735	5060
VFSM400	2000	2500	3000	3500	4000	4000	1870	1950	1950	5030	5260	870	725	6-6 *6-10	3385	3725	4380	4770	5095
VFSM435	1900 *2000	2200 *2400	2900 *3000	3200 *3500	3650 *4000	4350	1995	2075	2075	5380	5660	995	850	6-6 *6-10	3415	3755	4415	4810	5130
VFSM450	1800 *1950	2050 *2350	2850 *3000	3100 *3500	3540 *4000	4500	2045	2150	2150	5530	5760	1045	925	6-6 *6-10	3425	3765	4430	4830	5150
VFSM470	1700 *1900	1900 *2300	2800 *2900	2900 *3400	3310 *3880	4700	2110	2190	2190	5960	5960	1110	965	6-6 *6-10	3445	3785	4440	4830	5155
VFSM500	1500 *1800	1600 *2250	2600 *2700	2800 *3100	3200 *3540	5000	2245	2325	2325	6030	6260	1245	1100	6-6 *6-10	3475	3815	4485	4875	5195
VFSM550	1200 *1750	1300 *2150	1900 *2650	2000 *2700	2280 *3085	5500	2370	2460	2460	6430	6760	1370	1250	3-6 *3-6	3505	3845	4535	4910	5230
VFSM600	900 *1650	950 *2250	1400 *2100	1500 *2300	1700 *2630	6000	2595	2675	2675	7030	7260	1595	1450	3-6 *3-6	3595	3935	4605	4995	5320
VFSM650	*900	*1550	*1700	*1700	*1970	*6500	2810	2990	2990	7530	7760	1810	1665	*3-3	3775	4115	4820	5205	5530
VFSM700	*1250	*1250	*1350	*1350	*1540	*7000	3030	3110	3110	8030	8260	2030	1885	*3-3	3825	4165	4875	5265	5590