Efficient Forklift

CFF-O LI

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TFT

Efficient Forklift

CFF-O LI

Li-Ion Powered Forklift Trucks
1.5-1.8 Ton

(Counter-Balanced Type)

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TECHNOLOGY SPECIFICATION

Specifications	Manufacturer				TFT	
	Model				FLB15	FLB18
	Power system configuration				25G2	
	Max.lift capacity			kg	1500	1800
	Load center			mm	500	
	Power unit				Lithium Iron Phosphate Battery (LFP Battery)	
	Operator type				Driver/seat	
Dimensions	Max.lift height			mm	3000	
	Free lift height			mm	140	
	Fork size (L ×W ×T)			mm	920×100×35	
	Tilt angle (fwd/bwd)			deg	6/12	
	Total length(without fork)			mm	2220	2220
	Total width			mm	1070	
	Mast height (fork lowered)			mm	1995	
	Overall height fork raised (with backrest)			mm	4030	
	Height of head guard			mm	2110	
	Turning raduis (outside)			mm	2040	2070
	Distance from front wheel center to forks face			mm	401	
	Right angle stacking aisle (excluding goods length and clearance)			mm	2435	2465
Performance	Speed	Max. travelling speed	full load	km/h	18	18
			no load	km/h	18	18
		Liffting speed	full load	mm/s	420	410
			no load	mm/s	490	490
		Lowering speed	full load	mm/s	400	400
			no load	mm/s	440	440
	Maximum traction force	no load		kg	1130/690	
	Maximum Gradeability (3km/h)	full load/no load		%	18	
	Working pressure	Hydraulic system pressure		Mpa	15.5	
Weights	Truck weight			kg	2450	2670
	Weight Distribution	Full load	front	kg	3750	4000
			rear	kg	570	670
		No load	front	kg	1080	1040
			rear	kg	1370	1630
Chasis & Wheels	Tires	Number	front/rear		2 / 2	2 / 2
		Type	front/rear		Pneumatic	Pneumatic
		Model	front axle		6.50-10-10PR	6.50-10-10PR
			rear axle		5.00-8-8PR	5.00-8-8PR
	Wheelbase			mm	1425	1425
	Tread	front	front	mm	890	
		rear	rear	mm	895	
	Ground Clearence	At lowest point		mm	115	
		(mast) Frame		mm	105	
	Brake	Service brake			Hydraulic-foot pedal	
		Parking brake			Mechanical-hand lever	
Drive Line	Starter Battery	Voltage		V	76.8V	
		Battery capacity		AH	205Ah/280Ah	
	Electric motors	Drive motor		Kw	15（S2）	
		Hydraulic motor		Kw	15（S3）	
	Control Method				Air-Cooled PMSM Control	

Two stage wide view mast---VM

Mast Model	Load center 500mm		Max. lift height	Mast height		Tilt angle	Weight	
	FLB15	FLB18		Fork lowered	Fork lift with backrest	Fwd-bwd	FLB15	FLB18
	Kg	Kg	mm	mm	mm	deg	Kg	Kg
VM250	1500	1750	2500	1745	3530	6-12	2490	2710
VM270	1500	1750	2700	1845	3730	6-12	2505	2725
VM300	1500	1750	3000	1995	4030	6-12	2520	2740
VM330	1500	1750	3300	2145	4330	6-12	2540	2760
VM350	1500	1750	3500	2245	4530	6-12	2550	2770
VM375	1500	1650	3750	2370	4780	6-6 *6-12	2565	2785
VM400	1500	1650 *1750	4000	2545	5030	6-6 *6-12	2610	2830
VM425	1400 *1500	1500 *1750	4250	2670	5280	6-6 *6-12	2625	2845
VM450	1400 *1400	1500 *1650	4500	2795	5530	6-6 *6-12	2640	2860
VM475	1000 *1350	1000 *1500	4750	2920	5780	6-6 *6-12	2655	2875
VM500	1000 *1350	1000 *1500	5000	3045	6030	6-6 *6-12	2665	2885
VM550	*1100	*1300	5500	3345	6530	*3-6	2835	3055

Two stage full free mast---VFM

Mast Model	Load center 500mm		Max. lift height	Mast height		Free lift with backrest	Tilt angle	Weight	
	FLB15	FLB18		Fork lowered	Fork lift with backrest		Fwd-bwd	FLB15	FLB18
	Kg	Kg	mm	mm	mm	mm	deg	Kg	Kg
VFM250	1500	1750	2500	1745	3530	735	6-12	2550	2770
VFM270	1500	1750	2700	1845	3730	835	6-12	2560	2780
VFM300	1500	1750	3000	1995	4030	985	6-12	2580	2800
VFM330	1500	1750	3300	2145	4330	1135	6-12	2605	2825
VFM350	1500	1750	3500	2245	4530	1235	6-12	2615	2835
VFM375	1500	1750	3750	2370	4780	1360	6-6 *6-12	2635	2855
VFM400	1500	1750	4000	2545	5030	1535	*3-6	2680	2900

Three stage full free mast--VFHM

Mast Model	Load center 500mm		Max. lift height	Mast height		Free lift with backrest	Tilt angle	Weight	
	FLB15	FLB18		Fork lowered	Fork lift with backrest		Fwd-bwd	FLB15	FLB18
	Kg	Kg	mm	mm	mm	mm	deg	kg	kg
VFHM360	1400	1600	3600	1745	4630	735	6-6	2670	2890
VFHM400	1400	1600	4000	1870	5030	860	6-6	2695	2915
VFHM435	1337 *1387	1537 *1587	4350	1995	5380	985	6-6 *6-6	2720	2940
VFHM450	1307 *1367	1487 *1567	4500	2000	5430	990	6-6	2725	2945
VFHM470	1287 *1337	1387 *1537	4700	2110	5730	1100	6-6 *6-6	2735	2955
VFHM500	1087 *1287	1137 *1487	5000	2245	6030	1235	6-6 *6-6	2765	2985
VFHM540	837 *1237	887 *1387	5400	2370	6430	1360	3-6 *3-6	2790	3010
VFHM600	487 *1087	487 *1237	6000	2595	7030	1585	3-6 *3-6	2860	3080

Remark:
The mark of * is with double tires, the weight with double tires: +150kg
Max. lift height (without backrest): -580mm
Free lift height without backrest: +580mm; Weight without backrest: -30kg

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