KBZ

Counter balanced Electric forklift

1.5~4.0 TON

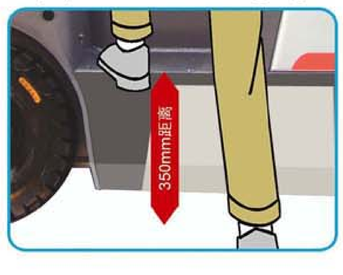
FB15 / FB20 / FB25
FB30 / FB35 / FB40

- AC Variable Frequency Drive Motor Lowers The Maintenance Cost, Improves Sfficency And Reduce The Energy Consumption At The Same time.
- By Advanced America CURTIS Inverter Controller

Yellow handle grip avoiding wrong operation

Comfortable foot-operation withcoverboard and hanging pedal

Eesy up and down with lowering height



Wide view mast VM

Mast model	Load center 500mm						Max.lift height	Mast height					Tilt angle	Weight (with standard battery)					
								Fork lowered			Fork lift with backrest								
	FB15	FB20	FB25	FB30	FB35	FB40		FB15 - FB25	FB30 - FB35	FB40	FB15 - FB25	FB30 - FB40	fwd/ bwd	FB15	FB20	FB25	FB30	FB35	FB40
	kg	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	deg	kg	kg	kg	kg	kg	kg
VM 250	1500	2000	2500	3000	3500	4000	2500	1745	1825	1900	3530	3750	6 - 12	2660	3405	3785	4620	5150	5360
VM 270	1500	2000	2500	3000	3500	4000	2700	1845	1925	2000	3730	3950	6 - 12	2675	3420	3800	4635	5165	5375
VM 300	1500	2000	2500	3000	3500	4000	3000	1995	2075	2150	4030	4250	6 - 12	2690	3440	3820	4660	5190	5400
VM 330	1500	2000	2500	3000	3500	4000	3300	2145	2225	2300	4330	4550	6 - 12	2710	3465	3845	4685	5215	5425
VM 350	1500	2000	2500	3000	3500	4000	3500	2245	2325	2400	4530	4750	6 - 12	2720	3480	3860	4700	5230	5440
VM 400	1500	2000	2500	3000	3500	4000	4000	2545	2625	2700	5030	5250	6 - 6	2780	3585	3935	4780	5310	5520
VM 450	1400	1800	2450	2900 *3000	3000 *3500	3400 *4000	4500	2795	2875	2950	5530	5750	6 - 6 *6 - 12	2810	3595	3975	4820	5350	5560
VM 500	1000	1650	1700	2700 *2850	2800 *3300	3200 *3700	5000	3045	3125	3200	6030	6250	6 - 6 *6 - 6	2850	3635	4015	4870	5400	5610

Notes : The mark of * is with double tires

2 stage free lift mast VFM

Mast model	Load center 500mm						Max. lift height	Mast height					Free lift with backrest			Tilt angle	Weight (with standard battery)					
								Fork lowered			Fork lift with backrest											
	FB15	FB20	FB25	FB30	FB35	FB40		FB15 - FB25	FB30 - FB35	FB40	FB15 - FB25	FB30 - FB40	FB15	FB20 - FB25	FB30 - FB40	fwd/ bwd	FB15	FB20	FB25	FB30	FB35	FB40
	kg	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	mm	deg	kg	kg	kg	kg	kg	kg
VFM 250	1500	2000	2500	3000	3500	4000	2500	1745	1825	1875	3530	3760	735	745	600	6 - 12	2720	3460	3840	4680	5210	5420
VFM 270	1500	2000	2500	3000	3500	4000	2700	1845	1925	1975	3730	3960	835	845	700	6 - 12	2730	3475	3855	4700	5230	5440
VFM 300	1500	2000	2500	3000	3500	4000	3000	1995	2075	2125	4030	4260	985	995	850	6 - 12	2750	3510	3890	4730	5270	5470
VFM 330	1500	2000	2500	3000	3500	4000	3300	2145	2225	2275	4330	4560	1135	1145	1000	6 - 12	2775	3540	3920	4755	5295	5495
VFM 350	1500	2000	2500	3000	3500	4000	3500	2245	2325	2375	4530	4760	1235	1245	1100	6 - 12	2785	3560	3940	4770	5310	5510
VFM 400	1500	2000	2500	3000	3500	4000	4000	2545	2575	2625	5030	5260	1535	1545	1350	6 - 6	2850	3660	4040	4860	5410	5610

Notes : (1) Height without backrest : FB15 -470mm; FB20~25 -375mm; FB30~FB40 -515mm
(2) Free lift without backrest : FB15 +470mm ; FB20~25 +375mm ; FB30~FB40 +515mm. Weight without backrest : FB15 -15kg ; FB20~25 -20kg ; FB30~FB40 -30kg

3 Stage free lift mast VFHM

Mast model	Load center 500mm						Max. lift height	Mast height					Free lift with backrest		Tilt angle	Weight (with standard battery)					
								Fork lowered			Fork lift with backrest										
	FB15	FB20	FB25	FB30	FB35	FB40		FB15 - FB25	FB30 - FB35	FB40	FB15 - FB25	FB30 - FB40	FB15 - FB25	FB30 - FB40	fwd/ bwd	FB15	FB20	FB25	FB30	FB35	FB40
	kg	kg	kg	kg	kg	kg	mm	mm	mm	mm	mm	mm	mm	mm	deg	kg	kg	kg	kg	kg	kg
VFHM 360	1400	1900	2400	2700 *3000	2900 *3500	3400 *4000	3600	1745	1825	1825	4630	4860	745	600	6 - 6 *6 - 10	2840	3590	3970	4825	5350	5670
VFHM 400	1400	1900	2400	2700 *3000	2900 *3500	3400 *4000	4000	1870	1950	1950	5030	5260	870	725	6 - 6 *6 - 10	2865	3620	4000	4860	5380	5720
VFHM 435	1350	1850	2200	2700 *3000	2900 *3500	3400 *4000	4350	1995	2075	2075	5380	5660	995	850	6 - 6 *6 - 10	2890	3650	4030	4890	5410	5750
VFHM 480	1300	1700	1800	2250 *2900	2750 *3400	3750 *3880	4800	2145	2225	2225	5830	6060	1145	1000	6 - 6 *6 - 10	2915	3690	4070	4930	5450	5790
VFHM 500	1100	1500	1600	1950 *2700	2000 *3100	3200 *3540	5000	2245	2325	2325	6030	6260	1245	1100	6 - 6 *6 - 10	2935	3715	4095	4955	5475	5815
VFHM 550	800	1150	1250	1950 *2650	2000 *2800	3200 *3540	5500	2410	2460	2460	6450	6760	1380	1250	3 - 6 *3 - 6	2970	3755	4135	5000	5520	5860
VFHM 600	550	900	950	1200 *2100	1500 *2300	1700 *2630	6000	2595	2675	2675	7030	7260	1595	1450	3 - 6 *3 - 6	3030	3845	4225	5090	5610	5950

Notes : (1) Height without backrest : FB15 -470mm;FB20～FB25 -445mm;FB30～FB40 -580mm;
(2) Free lift without backrest : FB15+470mm;FB20～FB25 +445mm;FB30～FB40 +580mm;
Weight without backrest : FB15-15kg;FB20～FB25-20kg;FB30～FB40-30kg;
(3) The mark of * is with double tires

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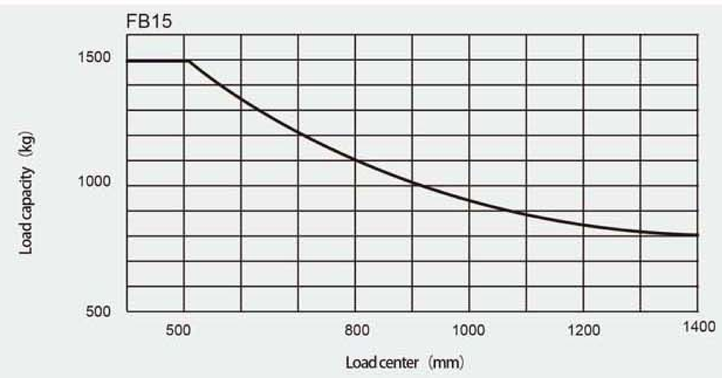
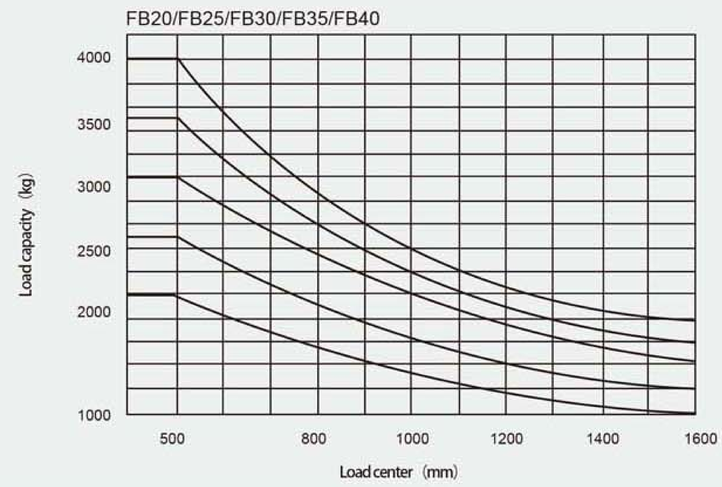
■ Main Truck Specifications

Specifications	Manufacturer				KBZ				
	Model			FB15	FB20	FB25	FB30	FB35	FB40
	Max.lift capacity		kg	1500	2000	2500	3000	3500	4000
	Load center		mm	500					
	Power unit			Battery					
	Operator type			Driver / seat					
	Tires type	front / rear		pneumatic				pneumatic/solid	
	Wheels(X=driven)	front / rear		2X / 2					
Dimensions	Max.lift height		mm	3000					
	Free lift		mm	155	160	160	165		
	Fork size	L ×W ×T	mm	920×100×35	1070×122×40	1070×122×40	1070×125×45	1070×125×50	1070×150×50
	Tilt angle	fwd / bwd	deg	6 /12					
	Length(without fork)		mm	1955	2245	2285	2510	2550	2775
	Width		mm	1070	1150	1150	1225	1225	1380
	Mast height(fork lowered)		mm	1995	1995	1995	2075		2150
	Overall height fork raised(with backrest)		mm	4030	4030	4030	4250		4250
	Overall height guard		mm	2100	2145	2145	2190		2425
	Turning raduis(outside)		mm	1780	1980	2000	2140	2180	2500
	Load distance		mm	375	445	445	480	485	485
	Right angle stacking aisle(not add load length&clearence)		mm	2155	2425	2445	2620	2665	2985
Performance	Speed: Travelling	full load	km/h	14	13.5	13.5	13	13	12
		no load	km/h	16	15	14.5	14.5	14.5	14
	Speed: Lifting	full load	mm/s	350	240	240	220	220	220
		no load	mm/s	530	450	450	450	450	410
	Gradeability	Full load	%	15	12.5	12.5	12.5	12.5	12.5
Weights	Weight(with standard battery)		kg	2690	3440	3820	4660	5190	5400
	Weight Distribution: Full load	front	kg	3635	4565	5425	6770	7480	7880
		rear	kg	555	875	895	890	1210	1520
	No load	front	kg	1110	1445	1425	1885	2000	2130
		rear	kg	1580	1995	2395	2775	3190	3270
Chassis & Wheels	Tires: Number	front / rear		2/2					
	Tires: Size	front		6.00-9-10-10PR	21×8-9-16PR		28×9-15-12PR		250-15-16PR
		rear		16×6-8-10PR	18×7-8-14PR		18×7-8-14PR	18×7-8	
	Wheelbase		mm	1250	1400		1600		1800
	Tread	Front / rear	mm	910/900	955/950		1000/950		1140/950
	Ground Clearence	At lowst point(mast)	mm	105	110		140		
		Frame	mm	95	115		120		130
	Brake	Service brake		Hydraulic-foot pedal					
		Parking brake		Manual					
Drive Line	Battery	Voltage/capacity	V-AH/5hr	48V-400	48V-450	48V-565	72V-480	72V-560	80V-550
		Weight(with battery box)	kg	735	825	945	1220	1290	1430
	Electric motors	Drive motor	KW/60min	8	11		16.6		
		Hydraulic motor	KW/5min	8.2	8.6		10	13	13
	Control type			Travelling AC; lifting DC					
	Operating pressure		kg/cm²	145	175				

■ Loading chart





■ Standard devices

- Micro-computer controlling of AC driving type
- Power steering
- Regenerative braking
- Wide-view mast
- Neutral-safety switch
- Big rubber pad

Model	Battery box size (L×W×H mm)	Battery weight (kg)
FB15	600x980x495	695～875
FB20	780x1030x495	790～1100
FB25	780x1030x495	870～1100
FB30	895x1080x495	1130～1290
FB35	990x1080x495	1130～1290
FB40	1180x1080x495	1300～1450

■ Optional parts

- **Tires**
  double tries(FB30) solid tires environmental protection solid tires
- **Mast**
  2 stage free lift mast(VFM) 3 stage free lift mast(VFHM)
- **Attachments**
  side shifter, flat clamp, paper roll clamp, rotator, multi-purpose clamp, drum clamp, carpet boom, boom, lifting hook, widen carriage, fork extension
- **AC lifting control**