Min. space Max. performance



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Articulated Forklift AAF - 2T Series

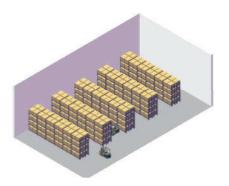


Indoor & Outdoor One-Stop Handling And Intensive Storage



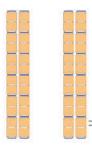
Ultra-high storage capacity

Narrow aisle









Electric counterbalanced forklift

Few pallet positions

Large aisle width (Around 4M)

Low rack height (Around 5M)

High cost for single pallet position



Electric counterbalanced forklift

Rack height 5M

Aisle width 4M

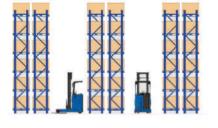
Reach Truck

Compared with counterbalanced forklift

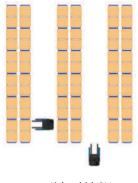
Pallet positions have increased by 80%

Rack height has increased by 40% (Around 7.5M)

Aisle width has decreased by 25% (Around 3M)



Rack height 7.5M



Aisle width 3M

Based on same storage area Cost for single pallet position has decreased by 40°





Reach Truck



Aisle width 1.9M-2.2M

Articulated forklift

Compared with counterbalanced forklift

Pallet positions have increased by 200%

Rack height has increased by 100% (≥10M)

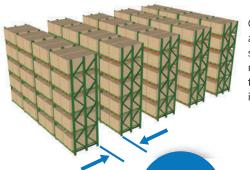
Aisle width has decreased by 45% (1.9M)

Based on same storage area
Cost for single pallet position has decreased by 60%



NARROW AISLE AND HIGH STORAGE CAPACITY

UP TO 12,500 MM



Compared with the traditional rack arrangement scheme, the racking aisle suitable for the articulated forklift can be reduced to a minimum of 1.9 meters, so that the storage capacity can be greatly increased.

Min. Aisle Width ≥1,900MM

Articulated Forklift AAF - 2T Series

It can be used conveniently both indoors and outdoors. The operator can complete a series of operations such as loading/unloading, handling and stacking through an articulated forklift. The forklift is equipped with solid rubber tires, with a mast swing angle of 210 degrees, an ultra-small turning radius, and flexible and comfortable operation.







210° mast swing angle



Max.Lifting Height
Up to 12,500MM

The articulated forklift is designed for faster and more efficient loading and unloading goods outdoor and indoor, as well as meeting the narrow aisle intensive storage. The articulated forklift has the functions of traditional counterbalanced forklift, pallet truck and high-level storage forklift, and truly achieves one-stop indoor and outdoor material handling and storage.

The forklift is equipped with maintenance-free full AC motors, and the high-speed ratio gearbox provides sufficient power for driving and climbing. Excellent ergonomic design ensures high efficiency and comfortable driving.





Indoors and Outdoors Using

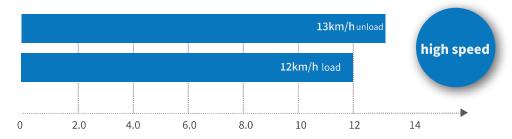


The forklift is equipped with front and rear solid rubber tires, which can adapt to various indoor and outdoor ground conditions. The high chassis design has excellent trafficability. Besides, the forklift adopts a high-power AC drive motor with a better climbing performance.





High speed driving High efficient work



The articulated forklift is equipped with super high-power AC drive motor to provide sufficient power;

The max driving speed with full load can reach 12km/h, and the max driving speed with no load can reach 13km/h

Flexible steering Easy Operation in Narrow aisle width

The mast swing angle is 210 degree. When turning, the max. mast swing angle is 210 degree.







	460012500mm
Lift height	1000 1200011111
Rated capacity	2000kg
Load center	600mm
Drive speed, load/unload	12/13km/h
Max.gradeability, load/unload	1 12%/13%
Drive motor type	AC
Lift motor type	AC
Battery, voltage/capacity 4	18V900AH/80V500AH
Turning radius	2200mm

Super power

Low energy consumption

Long work life

- 48V system with AC 18.5KW drive motor
- 80V system with AC 16.3KW drive motor
- High power maintenance-free AC drive motor provides super power
- High power AC 15KW lift motor provides sufficient power for hydraulic system, which makes operation more stable
- 80V system with higher voltage and lower current, which makes the energy consumption more optimized and provide long work life

Various configuration Comfortable operation





Laser-assisted alignment of forks Laser-assisted alignment of forklift



HD camera display



Options: Electric proportion integrated handle, easier operation and more accurate



LCD display

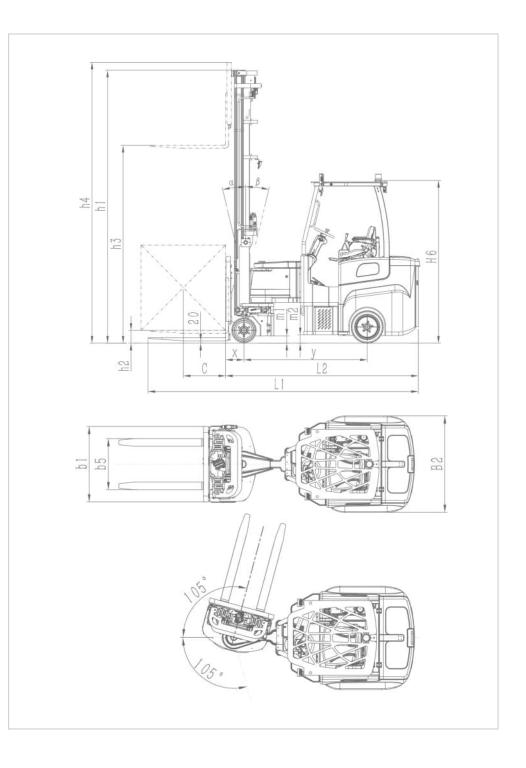


High strength overhead guard for safer protection Grid top design for better view

Specification

stand	<u> </u>					
1.2	Model		AAF - 2T Narrrow	AAF - 2T H Wide	AAF - 2T Narrow	AAF - 2T Wide
1.3	Power type		Battery	Battery	Battery	Battery
1.4	Operation type		Seated	Seated	Seated	Seated
1.5	Rated capacity	Q(kg)	2000	2000	2000	2000
1.6	Load center	C(mm)	600	600	600	600
1.7	Load distance	x(mm)	285	285	285	285
1.8	Wheelbase	y(mm)	1720	1720	1720	1720
Weig		,,,,,,,				
2.1	Service weight (incl.battery)	kg	7460	8140	7460	8140
2.2	Axle load with load, drive side/load side		5290/4250	5600/4650	5290/4250	5600/4650
2.2		kg	2250/5210	2470/5670	2250/5210	2470/5670
	Axle load without load, drive side/load side	kg	2250/5210	2470/5670	2250/5210	2470/5670
Tyre	5					
3.1	Tyre type		Solid rubber tire	Solid rubber tire	Solid rubber tire	Solid rubber tire
3.2	Tyre size, load side	mm	Φ457×178	Φ457×178	Φ457×178	Φ457×178
3.3	Tyre size, Drive wheel	mm	Φ415×178	Φ415×178	Φ415×178	Φ415×178
3.4	Number of wheels,front/rear X=drive		2X/2	2X/2	2X/2	2X/2
3.5	Tread,drive side	b10(mm)	800	800	800	800
3.6	Tread,load side	b11(mm)	1090	1090	1090	1090
Dime	ension	•				
4.1	Mast tilt, forward/backward	α/β(°)	1/3	1/3	1/3	1/3
4.2		(°)	210	210	210	210
4.3	Mast swing angle		e mast parameter table See 1			
	Height, mast closed		e mast parameter table See i e mast parameter table See i			
4.4	Free lift height					
4.5	Rated weight lift height	h3(mm)	3300	3300	3300	3300
4.6	Lift height range	h3(mm)	4600~10000	4600~12500	4600~10000	4600~12500
4.7	Height, mast extended	h4(mm) See th	e mast parameter table See	the mast parameter table S	ee the mast parameter table	See the mast parameter
4.8	Overhead guard height	h6(mm)	2250	2250	2250	2250
4.9	Seat height	h7(mm)	1230	1230	1230	1230
4.10	Overall length	L1(mm)	3830	3830	3830	3830
4.11	Overall length without forks	L2(mm)	2730	2730	2730	2730
4.12	Overall width	b1/b2(mm)	980/1260	980/1400	980/1260	980/1400
4.13		l/e/s(mm)	1100/100/50	1100/100/50	1100/100/50	1100/100/50
4.14	Fork size	1/6/3(11111)	II	II	II	1100/100/50
	Installation level					
4.15	Fork carriage width	b3(mm)	990	990	990	990
4.16	Outside distance between forks	b5(mm)	250~890	250~890	250~890	250~890
4.17	Side shift distance	mm	±100	±100	±100	±100
4.18	Min. ground clearance of mast	m1(mm)	70	70	50	50
4.19	Min. Ground clearance of chassis	m2(mm)	100	100	100	100
4.20★	Min. stacking aisle width (800X1200mm pallet,C=600mn		1900	1900	1900	1900
	Efficiency aisle Distance between goods to goods ≥	mm	2000	2200	2000	2200
	Distance between rack to rack ≥	mm	2200	2400	2200	2400
	More other stacking aisle width		le parameter table. See a			
4.21	Min. main aisle (800X1200mm pallet)	mm see als	2650	2650	2650	2650
	Turning radius					
4.22	-	Wa(mm)	2200	2200	2200	2200
	ormance					
5.1	Driving speed, load/unload	km/h	12/13	12/13	12/13	12/13
5.2	Lifting speed, load/unload	mm/s	400/420	400/420	400/420	400/420
5.3	Lowering speed, load/unload	mm/s	280/200	280/200	280/200	280/200
5.4	Traction (S2-5min)	N				
5.5*	Max. Gradeability from slope load/unload (S2-5min)	%(tanθ)	15/15	15/15	15/15	15/15
5.6	Braking type		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Drivi				,	,	,
6.1	Drive motor (S2-60min)	kw	AC18.5	AC18.5	AC16.3	AC16.3
6.2	Lifting motor (S3-15%)	kw	AC15	AC15	AC15	AC15
6.3	Battery, voltage/capacity	V/Ah	48/900	48/900	80/500	80/500
6.4	Battery weight	kg	1400	1400	1380	1380
6.5	Steering type		Hydraulic	Hydraulic	Hydraulic	Hydraulic
Othe	ers					
7.1	Lithium battery, voltage/capacity (standard)	V/Ah	48/500	48/500	80/300	80/300
7.2	(Optional)	V/Ah	48/700	48/700	80/400	80/400
	(opasius)		*			

Marks: Above data is for standard model. Varies depending on different configuration. 4.20 * The minimum aisle is the net width between goods and goods, and the distance between rack and rack should be increased accordingly, it is recommended to add 200 mm or more. 5,5 * It is the maximum gradeability from the slope, and the maximum gradeability (load/unload) is 15/15.



Load	d capacity	parameter						AAF - 2T	Norrow Model
									Capacity kg
	10000	500	470	450	430	410	390	370	
\vdash	9500	650	620	580	560	530	510	490	
Lift	9000	780	740	700	670	640	610	580	
he	8500	880	830	790	750	720	690	660	
height	8000	950	900	850	810	780	740	710	
ıt (7500	1050	990	940	900	860	820	790	
(mm)	7150	1080	1020	970	920	880	840	810	
<u>n</u>	7000	1100	1040	990	940	900	860	820	
	6750	1150	1090	1030	980	940	900	860	
	6300	1200	1140	1080	1030	980	940	900	
	5700	1300	1230	1170	1110	1060	1010	970	
	5400	1350	1280	1210	1160	1100	1050	1010	
	4800	1400	1330	1260	1200	1140	1090	1050	
	4600	1450	1370	1300	1240	1180	1130	1080	
	3300	2000	1890	1800	1710	1630	1560	1500	
		600	650	700	750	800	850	900	
				Horizo	ontal load co	enter mm			

Load	capacity	parameter					AA	AF - 2T Semi-v	vide model
									Capacity kg
	12500	/	/	/	/	/	/	/	
	12000	/	/	/	/	/	/	/	
	11500	/	/	/	/	/	/	/	
	11000	/	/	/	/	/	/	/	
_	10800	/	/	/	/	/	/	/	
	10500	/	/	/	/	/	/	/	
Lift height (mm)	10000	800	760	720	680	660	620	600	
<u>a</u>	9500	900	850	810	770	730	700	670	
)†(9000	950	900	850	810	780	740	710	
∄	8500	1050	990	940	900	860	820	790	
ュ	8000	1150	1090	1030	980	940	900	860	
	7500	1250	1180	1120	1070	1020	980	930	
	7150	1300	1230	1170	1110	1060	1010	970	
	7000	1350	1280	1210	1160	1100	1050	1010	
	6750	1380	1310	1240	1180	1130	1080	1030	
	6300	1450	1370	1300	1240	1180	1130	1080	
	5700	1530	1450	1380	1310	1250	1190	1140	
	5400	1600	1510	1440	1370	1310	1250	1200	
	4800	1680	1590	1510	1440	1370	1310	1260	
	4600	1750	1660	1570	1500	1430	1370	1310	
	3300	2000	1890	1800	1710	1630	1560	1500	
		600	650	700	750	800	850	900	
				Н	orizontal loa	ad center mi	m		

Loa	d capacity	parameter						AAF - 2	2T Wide Model
									Capacity kg
	12500	900	850	810	770	730	700	670	
	12000	950	900	850	810	780	740	710	
	11500	1000	950	900	860	820	780	750	
	11000	1050	990	940	900	860	820	790	
	10800	1070	1010	960	920	870	840	800	
_	10500	1100	1040	990	940	900	860	820	
Lift height (mm)	10000	1200	1140	1080	1030	980	940	900	
he	9500	1230	1160	1110	1050	1000	960	920	
<u>~</u>	9000	1250	1180	1120	1070	1020	980	930	
<u>†</u>	8500	1300	1230	1170	1110	1060	1010	970	
3	8000	1350	1280	1210	1160	1100	1050	1010	
<u>n</u>	7500	1400	1330	1260	1200	1140	1090	1050	
	7150	1430	1350	1290	1220	1170	1120	1070	
	7000	1500	1420	1350	1280	1220	1170	1120	
	6750	1530	1450	1380	1310	1250	1190	1140	
	6300	1550	1470	1390	1330	1270	1210	1160	
	5700	1600	1510	1440	1370	1310	1250	1200	
	5400	1630	1540	1470	1390	1330	1270	1220	
	4800	1730	1640	1560	1480	1410	1350	1290	
	4600	1800	1700	1620	1540	1470	1410	1350	
	3300	2000	1890	1800	1710	1630	1560	1500	
		600	650	700	750	800	850	900	
					Horizo	ntal load ce	enter mm		

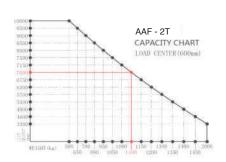
Mast paramet	er													
Triplex full fre	riplex full free mast													
Model	MJ20	46	48	54	57	63	67	70	71	75	80			
Lift height	h3(mm)	4620	4820	5420	5720	6320	6770	7020	7170	7520	8020			
Mast extended height	h4(mm)	5800	6000	6600	6900	7500	8000	8200	8400	8700	9200			
Mast closed height	h1(mm)	2818	2885	3085	3185	3385	3485	3568	3618	3734	3900			
Free lift height	h2(mm)	1134	1200	1400	1500	1700	1950	2034	2084	2202	2368			
Triplex full free mas	st													
Model	MJ20	85	90	95	100	105	108	110	115	120	125			
Lift height	h3(mm)	8520	9020	9520	10020	10520	10820	11020	11520	12020	12520			
Mast extended height	h4(mm)	9700	10200	10700	11200	11700	12000	12200	12700	13200	13700			
Mast closed height	h1(mm)	4067	4234	4400	4567	4734	4834	4900	5067	5234	5400			
Free lift height	h2(mm)	2534	2700	2868	3034	3200	3300	3368	3534	3700	3868			

Stacl	king aisl	e width p	arametei						AA	F - 2T Narro	w model				
	Pallet size along forks direction (L)														
	mm	1000	1100	1200	1300	1400	1500	1600	1700	1800	Swing angle				
	800	/	/	1900	2050	2150	2250	/	/	/					
Pallet size	900	/	/	1950	2080	2180	2280	/	1	/					
	1000	1800	1900	2000	2100	2200	2300	2400	2500	2600	±105				
ross fo	1100	1830	1930	2030	2130	2230	2330	2430	2530	2630					
orks di	1200	1850	1950	2050	2150	2250	2350	2450	2550	2650					
across forks direction (w)	1300	1900	2000	2150	2200	2300	2400	2500	2600	2700	±100				
) (W)	1400	2000	2100	2200	2300	2400	2500	2600	2700	2800	±95				
	1500	2350	2450	2550	2650	2750	2850	2950	3050	3150					
	1600	2400	2500	2600	2700	2800	2900	3000	3100	3200	±90				

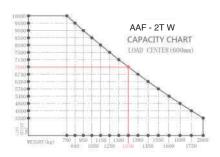
Stack	king aisle	e width p	arameter				AAF - 2T	Semi-wide	Model AAF	- 2T Wide m	odel			
	Pallet size along forks direction (L)													
	mm	1000	1100	1200	1300	1400	1500	1600	1700	1800	Swing angle			
P	800	/	/	2100	2250	2350	2450	/	/	/				
Pallet size	900	/	/	2150	2280	2380	2480	/	/	/				
	1000	2000	2100	2200	2300	2400	2500	2600	2700	2800	±105			
oss for	1100	2030	2130	2230	2330	2430	2530	2630	2730	2830				
across forks direction (w)	1200	2050	2150	2250	2350	2450	2550	2650	2750	2850				
ction (1300	2100	2200	2300	2400	2500	2600	2700	2800	2900	±100			
8)	1400	2200	2300	2400	2500	2600	2700	2800	2900	3000	±95			
	1500	2350	2450	2550	2650	2750	2850	2950	3050	3150	±90			
	1600	2400	2500	2600	2700	2800	2900	3000	3100	3200				

Note 1: The above indicates minimum aisle width, which is the net aisle width between goods to goods; when the goods extend out of racks, the aisle width need to be increased accordingly, recommended to be added 200 or more, efficiency net aisle width needs to be added 100 or more.

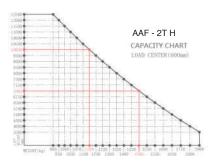
Note 2: When W is bigger than 1200mm, lift height is less than 2500mm, the swing angle will be less than 210 degree. The larger W, the smaller swing angle.



Capacity Chart AAF - 2T



Capacity Chart - AAF - 2T W



Capacity Chart- AAF - 2T H