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Pedestrian Electric Reach Stacker WHMFA20



Standard

1.1	Brand			MiMA	MiMA	MiMA
1.2	Model			(Single cylinder, single mast) (Single cylinder, duplex mast)	MFA20 (Double cylinders, duplex mast)	MFA20 (Triplex mast)
1.3	Power type			Battery	Battery	Battery
1.4	Operation type			Stand-on	Stand-on	Stand-on
1.5	Rated capacity	Q(kg)		2000	2000	2000
1.6	Load center	C(mm)		500	500	500
1.7	Front overhang	x(mm)		120	130	130
1.8	Wheelbase	y(mm)		1630	1630	1630

Function

2.1	Driving speed(load/unload)	km/h		5.5/6	5.5/6	5.5/6
2.2	Lifting speed(load/unload)	mm/s		95/150	95/150	95/150
2.3	Lowering speed(load/unload)	mm/s		100/95	100/95	100/95
2.4	Max.gradeability(load/unload)(S2-5min)	%(tanθ)		6/8	6/8	6/8
2.5	Brake type				Electromagnetic	

Drive

3.1	Driving motor(S2-60min)	kw		1.5	1.5	1.5
3.2	Lifting motor(S3-10%)	kw		3	3	3
3.3	Battery voltage/capacity	V/Ah		24/210 (270AH optional)	24/210 (270AH optional)	24/210 (270AH optional)
3.4	Battery weight	kg		175	175	175
3.5	Steering system			EPS	EPS	EPS

Wheel

4.1	Wheel type			PU	PU	PU
4.2	Load wheel	mm		φ210×85	φ210×85	φ210×85
4.3	Drive wheel	mm		φ230×75	φ230×75	φ230×75
4.4	Auxiliary wheel	mm		φ150×50	φ150×50	φ150×50
4.5	Number of wheels,front/rear (X=drive wheel)			2/1x+2	2/1x+2	2/1x+2
4.6	Wheel tread, drive side	b10(mm)		678	678	678
4.7	Wheel tread, load side	b11(mm)		/	/	/

Weight

5.1	Service weight (incl.battery)	kg		2100	2200	2250
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Load Centre	Product size
<p>CAPACITY CHART</p> <p>kg</p> <p>LIFT HEIGHT (mm)</p> <p>Reduce 150kg with side shifter</p> <p>mm</p> <p>LOAD CENTER(mm)</p>	

Size						
6.1	Fork tilting	$\alpha/\beta(^{\circ})$		/	/	/
6.2	Mast closed height	h1(mm)		Refer to mast specification		
6.3	Free lift height	h2(mm)		/	/	/
6.4	Lift height	h3(mm)		Refer to mast specification		
6.5	Mast extended height with load backrest	h4(mm)		Refer to mast specification		
6.6	Platform height	h7(mm)		170	170	170
6.7	Inner leg width	b4(mm)		822	822	822
6.8	Support leg height	h8(mm)		245	245	245
6.9	Overall length (Platform off/on)	L1(mm)		≤2530*	≤2530*	≤2600*
6.10	Overall width	b1/b2(mm)		900/1105	900/1105	900/1105
6.11	Fork size	l/e/s(mm)		1070/122/40	1070/122/40	1070/122/40
6.12	Installation class			2A	2A	2A
6.13	Fork outside width	b5(mm)		264-732	264-732	264-732
6.14	Reach stroke	l4(mm)		≤685	≤685	≤685
6.15	Mast ground clearance	m1(mm)		50	50	50
6.16	Aisle width for pallet 1000*1200mm	Ast(mm)		2790*	2790*	2815*
6.17	Aisle width for pallet 800*1200mm	Ast(mm)		2790*	2790*	2840*
6.18	Turning radius	Wa(mm)		1950*	1950*	1950*

Mast Specification

Single cylinder double mast							
Model		WHMFA2016 single mast	WHMFA2025	WHMFA2030	WHMFA2035	WHMFA2040	WHMFA2045
Lift height	h3(mm)	1600	2500	3000	3500	4000	4500
Mast extended height with load-backrest	h4(mm)	2500	3400	3900	4400	4900	5400
Mast closed height	h1(mm)	2090	1760	2010	2260	2560	2810
Double cylinder double mast							
Model		WHMFA2025	WHMFA2030	WHMFA2035	WHMFA2040	WHMFA2045	
Lift height	h3(mm)	2500	3000	3500	4000	4500	
Mast extended height with load-backrest	h4(mm)	3460	3960	4460	4960	5460	
Mast closed height	h1(mm)	1830	2080	2330	2630	2880	
Triplex mast							
Model		WHMFA2040	WHMFA2045	WHMFA2050	WHMFA2055		
Lift height	h3(mm)	4000	4500	5000	5500		
Mast extended height with load-backrest	h4(mm)	4950	5450	5950	6450		
Mast closed height	h1(mm)	1914	2080	2246	2413		

Note:The standard model data would vary according to different configuration.

*When Platform on, overall length, aisle width, turning radius of stacker will be increased 450mm accordingly.

MFA20 with single cylinder & duplex mast can have optional fork tilt.

MFA20 with double cylinders & duplex mast can have optional fork tilt.

MFA20 with triplex mast can have optional fork tilt.