

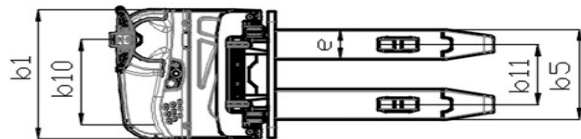
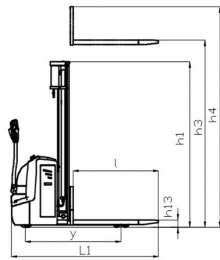
## Electric Pallet stacker WHMBC20

### Standard



1.1	Manufacturer		MiMA	MiMA	MiMA
1.2	Model		WHMBC2030	WHMBC2030	WHMBC20S
1.3	Power type		Battery	Battery	Battery
1.4	Driving style		Pedestrian	Pedestrian	Pedestrian
1.5	Rated load	Q(kg)	2000	2000	2000
1.6	Load center	C(mm)	600	600	600
1.7	Wheelbase	y(mm)	1290	1290	1290
1.8	Service Weight (incl.battery)	kg	1150	1200	1300
2.1	Wheel type		PU	PU	PU
2.2	Load wheel size	mm	Φ80×70	Φ80×70	Φ80×70
2.3	Drive wheel size	mm	Φ230×75	Φ230×75	Φ230×75
2.4	Stabilizing wheel size	mm	Φ125×50	Φ125×50	Φ125×50
2.5	Number of wheels, front/rear (x=drive wheel)		4/1x+1	4/1x+1	4/1x+1
2.6	Wheel base, drive-bearing side	b10(mm)	530	530	530
2.7	Wheel base, load-bearing side	b11(mm)	490	490	490
3.1	Braking method		Electromagnetic	Electromagnetic	Electromagnetic
3.2	Drive motor power (S2-60min)	kw	1.5	1.5	1.5
3.3	Lift motor power, (S3-10%)	kw	2	3	3
3.4	Battery, voltage/rated capacity	V/Ah	24/210* (Side pull)		
3.5	Battery weight	kg	180	180	180
3.6	Steering system		Mechanical steering		
3.7	Battery replacement method		Side pull	Side pull	Side pull
3.8	Mast series		Single cylinder duplex mast	Double cylinder duplex mast	Triplex mast*

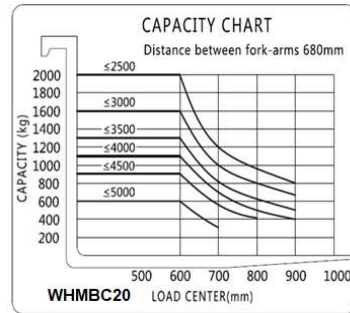
### Size



4.1	Mast closed height	h1(mm)	Refer to the mast specification		
4.2	Free lift height	h2(mm)	Refer to the mast specification		
4.3	Lift height	h3(mm)	Refer to the mast specification		
4.4	Mast extended height with load-backrest	h4(mm)	Refer to the mast specification		
4.5	Handle height (min/max)	h14(mm)	700/1300	700/1300	700/1300
4.6	Minimum height of fork surface	h13(mm)	90	90	90
4.7	Overall length	l1(mm)	1990	1990	1990

4.8	Overall width	b1/b2(mm)	820	820	820
4.9	Fork size	l/e/s(mm)	1150/190/58	1150/190/58	1150/190/58
4.10	Fork outside width	b5(mm)	680*	680*	680*
4.11	Mast ground clearance	m1(mm)	30	30	30
4.12	Aisle width (pallet 1000x1200) Load center C500mm	Ast(mm)	2375	2375	2375
4.13	Right-angle stacking aisle width (pallet 800x1200) Load center C600mm	Ast(mm)	2375	2375	2375
4.14	Turning radius	Wa(mm)	1490	1490	1490
5.1	Driving speed, load/unloaded	km/h	5.0/6.0	5.0/6.0	5.0/6.0
5.2	Lifting speed, load/unloaded	mm/s	90/130	125/175	90/130
5.3	Lowering speed, load/unload	mm/s	110/130	115/135	95/100
5.4	Maximum climbing ability, load/unloaded (S2-5min)	%(tanθ)	≤6/≤12	≤6/≤12	≤6/≤12

### Load Chart



### Mast specifications

#### Single mast

Model			WHMBC2016			
Lift height	h3	mm	1600			
Mast closed height	h1	mm	2090			
Mast extended height	h4	mm	2090			
Free lift height	h2	mm	1600			

#### Single cylinder duplex mast

Model			WHMBC2025	WHMBC2030	WHMBC2035	WHMBC2040	WHMBC2045
Lift height	h3	mm	2500	3000	3500	4000	4500
Mast closed height	h1	mm	1775	2025	2275	2575	2825
Mast extended height	h4	mm	3000	3500	4000	4500	5000

#### Double cylinder duplex mast

Model			WHMBC2025	WHMBC2030	WHMBC2035	WHMBC2040	WHMBC2045
Lift height	h3	mm	2500	3000	3500	4000	4500
Mast closed height	h1	mm	1775	2025	2275	2575	2825
Mast extended height	h4	mm	3000	3500	4000	4500	5000

#### Triplex mast

Model			WHMBC2040	WHMBC2045	WHMBC2050		
Lift height	h3	mm	4000	4500	5000		
Mast closed height	h1	mm	1933	2100	2167		
Mast extended height	h4	mm	4500	5000	5500		

#### Triplex mast with freelif

Model			WHMBC2040FL	WHMBC2045FL	WHMBC2050FL		
Lift height	h3	mm	4000	4500	5000		
Mast closed height	h1	mm	1933	2100	2167		
Free lift height	h2	mm	1383	1550	1717		
Mast extended height	h4	mm	4500	5000	5500		