



## Straddle Pallet Stacker MBC20 5000mm Lift Height

### Characteristics

1.1	Manufacturer		MiMA
1.2	Model		MBC20
1.3	Power type		Battery
1.4	Operation		Walking
1.5	Load capacity	Q(kg)	2000
1.6	Load center distance	C(mm)	600
1.7	Wheelbase	y(mm)	1290

### weights

2.1	Service Weight(incl.battery)	kg	1480
-----	------------------------------	----	------

### Wheels

3.1	Tyre type		Polyurethane
3.2	Tyre size, front	mm	Φ80×70
3.3	Tyre size, rear	mm	Φ230×75
3.4	Balance wheel	mm	Φ125×50
3.5	Wheels,number front/rear (X=driven)		4/1x+1
3.6	Track width, rear	b10(mm)	530
3.7	Track width, front	b11(mm)	490

### Dimensions

4.1	Mast retracted height	h1(mm)	2267
4.2	Free lift height	h2(mm)	1717
4.3	Lift height	h3(mm)	5000
4.4	Mast extended height	h4(mm)	5500
4.5	Handle height Min./Max.	h14(mm)	700/1300
4.6	Ground clearance,Min fork surface	h13(mm)	90
4.7	Overall length	l1(mm)	2060
4.8	Overall width	b1/b2(mm)	820/1300
4.9	Outrigger outside width		1300
4.10	Outrigger inner width		1060
4.11	Fork dimensions	l/e/s(mm)	1220/100/35
4.12	Max.fork outside spread	b5(mm)	710
4.13	Ground clearance below mast	mm	30
4.14	Aisle width with pallet 1000*1200mm, C=500mm	Ast(mm)	2375
4.15	Aisle width with pallet 800*1200mm, C=600mm	Ast(mm)	2375
4.16	Turning radius	Wa(mm)	1490

### Performance

5.1	Driving speed, laden/unladen	km/h	5.0/6.0
5.2	Lift speed, laden/unladen	mm/s	90/130
5.3	Lowering speed, laden/unladen	mm/s	95/100
5.4	Gradeability, laden/unladen(S2-5min)	%(tanθ )	6/12
5.5	Service brake		Electromagnetic

### Drive

6.1	Drive motor, rating S2=60	kw	1.5
6.2	Lift motor, rating S3=15%	kw	3
6.3	Battery voltage/nominal capacity	V/Ah	24/200 Lithium battery
6.4	Battery weight	kg	79
6.5	Steering system		Mechanical steering

### Others

7.1	Battery replacement method		Side pull
7.2	Mast type		Triplex mast