

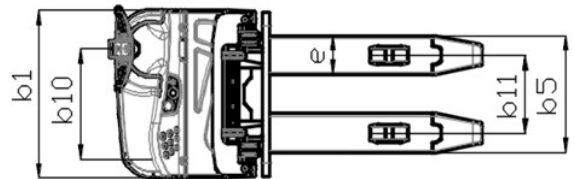
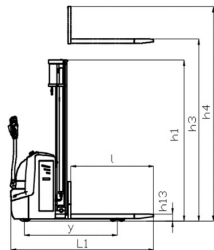
## Electric Pallet stacker WHMBC16

### Standard



|     |  |         |                             |                             |                 |
|-----|--|---------|-----------------------------|-----------------------------|-----------------|
| 1.1 | Manufacturer                                 |         | MiMA                        | MiMA                        | MiMA            |
| 1.2 | Model  |         | WHMBC1630                   | WHMBC1630                   | WHMBC16S        |
| 1.3 | Power type                                   |         | Battery                     | Battery                     | Battery         |
| 1.4 | Driving style                                |         | Pedestrian                  | Pedestrian                  | Pedestrian      |
| 1.5 | Rated load                                   | Q(kg)   | 1600                        | 1600                        | 1600            |
| 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*   |

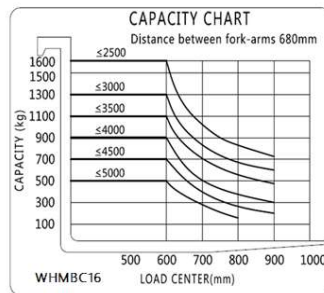
### Size



|     |   |         |                                 |          |          |
|-----|---|---------|---------------------------------|----------|----------|
| 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                |    |    | WHMBC1616 |  |  |  |
|----------------------|----|----|-----------|--|--|--|
| 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                |    |    | WHMBC1625 | WHMBC1630 | WHMBC1635 | WHMBC1640 | WHMBC1645 |
|----------------------|----|----|-----------|-----------|-----------|-----------|-----------|
| 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                |    |    | WHMBC1625 | WHMBC1630 | WHMBC1635 | WHMBC1640 | WHMBC1645 |
|----------------------|----|----|-----------|-----------|-----------|-----------|-----------|
| 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                |    |    | WHMBC1640 | WHMBC1645 | WHMBC1650 |  |  |
|----------------------|----|----|-----------|-----------|-----------|--|--|
| Lift height          | h3 | mm | 4000      | 4500      | 5000      |  |  |
| Mast closed height   | h1 | mm | 1933      | 2100      | 2267      |  |  |
| Mast extended height | h4 | mm | 4500      | 5000      | 5500      |  |  |

### Triplex mast with full free lift

| Model                |    |    | WHMBC1640FFL | WHMBC1645FFL | WHMBC1650FFL |  |  |
|----------------------|----|----|--------------|--------------|--------------|--|--|
| Lift height          | h3 | mm | 4000         | 4500         | 5000         |  |  |
| Mast closed height   | h1 | mm | 1933         | 2100         | 2267         |  |  |
| Free lift height     | h2 | mm | 1383         | 1550         | 1717         |  |  |
| Mast extended height | h4 | mm | 4500         | 5000         | 5500         |  |  |