



## Electric Pedestrian Pallet Stacker KMS.AC 1250/3,5

### Standard equipment

- Heavy-duty application
- Max travel speed 6,0km/h
- Capacity – **1250 kg**
- Lifting height – **3.5 m**
- **AC** drive motor - **1,3 kW**:
  - Maintenance free
  - External Encoder
  - Low noise level
- **DC** pump motor – **2,0 kW**
- **Electronics - modern CANBUS-architecture** requiring less wiring, giving better reliability, providing easy and fast diagnostics
- Speed control by pulse controller **COMBI AC/250A** including regenerative braking with energy reclamation to the battery
- Horn
- Automatic Braking:
  - Emergency and Parking electromagnetic brake
  - Regenerative braking when releasing Accelerator in a neutral position or reversing the travel direction
- **Traction battery 24V 2PzS/160Ah C5** / standard wet **Pb Acid** battery
- **High frequency/HF** automatic on-board charger **24V/30A**
- EMERGENCY Switch
- Multifunction Digital Indicator displaying:
  - Battery's state of charge
  - Hour meter
  - Alarms
- **Proportional hydraulics** for smooth, step-less Lifting/Lowering speed control
- Rollers and wheels - Polyurethane. Load side - Tandem rollers as standard
- Two castor wheels (left and right Driver side) and Spring loaded Drive Wheel in the middle
- **CREEP SPEED** function – travelling in restricted areas with Tiller-arm in upright position
- Automatic Travel speed reduction when forks raised 1200mm and more
- Robust Two stage mast with central cylinder
- The Low centre of gravity-Chassis, strong masts and wheel layout concept – leading to high Residual capacity
- Virtually maintenance-free Drive-wheel unit:
  - Modern AC traction motor in vertical position
  - High efficient gear box /gears in oil bath - no oil change required for life
  - High quality Traction wheel with Polyurethane, 93° Shore A tyre (other tyres available on request)
  - High quality Electromagnetic Brake with environment-friendly friction lining.

### Optional equipment

- Batteries with higher capacity
- Foldable driver's platform
- Authorized access with **PIN-Code management**
- Straddle legs version, including Forks 40/100/1200mm ISO/FEM Class 2B
- Sideways battery removal in a multi-shift applications
- Gel/maintenance-free batteries HAWKER "Evolution"
- Initial lift
- Choice of mast:
  - Different Lifting heights
  - Clear view mast
  - Full free lift mast
- **FLEET management unit**

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Type sheet for industrial Trucks according to VDI 2198

|                 |                | <b>VENI</b>                                      |                                     |                 |                        |
|-----------------|----------------|--|-------------------------------------|-----------------|------------------------|
| Characteristics | 1.1            | Manufacturer                                     |                                     |                 | <b>KMS.AC 1250/3,5</b> |
|                 | 1.2            | Manufacturer's type designation                  |                                     |                 | Battery                |
|                 | 1.3            | Power unit                                       |                                     |                 | Pedestrian             |
|                 | 1.4            | Operation  |                                     |                 |                        |
|                 | 1.5            | Load capacity                                    | <b>Q</b>                            | (kg)            | <b>1250</b>            |
|                 | 1.51           | Residual capacity                                | <b>Qres</b>                         | -               | -                      |
|                 |                | $h_3+h_{13} = 2300$ mm                           | -                                   | (kg)            | 1250                   |
|                 |                | $h_3+h_{13} = 3500$ mm                           | -                                   | (kg)            | 600                    |
|                 | 1.6            | Load centre                                      | <b>c</b>                            | (mm)            | 600                    |
|                 | 1.8            | Axle centre to fork face                         | <b>x</b>                            | (mm)            | 690                    |
| 1.9             | Wheelbase      | <b>y</b>   | (mm)                                | 1239            |                        |
| Weight          | 2.1            | Service weight incl. battery                     |                                     | (kg)            | 850                    |
|                 |                |  |                                     |                 |                        |
| Wheels/tyres    | 3.1            | Tyres front/rear (Polyurethane/PU, Vulkollan/VU) |                                     |                 | PU/PU                  |
|                 | 3.2            | Tyre size, front                                 |                                     | (mm)            | D 230x70               |
|                 | 3.3            | Tyre size, rear                                  |                                     | (mm)            | D 85x70                |
|                 | 3.4            | Support wheels                                   |                                     | (mm)            | D 150x50               |
|                 | 3.5            | Wheels, number front / rear (x=driven)           |                                     | (mm)            | 1x+2/4                 |
|                 | 3.6            | Track width, front                               | <b>b<sub>10</sub></b>               | (mm)            | 720                    |
|                 | 3.7            | Track width, rear                                | <b>b<sub>11</sub></b>               | (mm)            | 410                    |
| Dimensions      | 4.2            | Height, mast lowered                             | <b>h<sub>1</sub></b>                | (mm)            | 2310                   |
|                 | 4.3            | Free lift  | <b>h<sub>2</sub></b>                | (mm)            | 120                    |
|                 | 4.4            | Lift   | <b>h<sub>3</sub></b>                | (mm)            | 3410                   |
|                 | 4.5            | Height, mast extended                            | <b>h<sub>4</sub></b>                | (mm)            | 3955                   |
|                 | 4.9            | Height of tiller in drive position min./max.     | <b>h<sub>14</sub></b>               | (mm)            | 1200/1310              |
|                 | 4.15           | Fork height, lowered                             | <b>h<sub>13</sub></b>               | (mm)            | 90                     |
|                 | 4.151          | Fork height, lifted                              | <b>h<sub>3</sub>+h<sub>13</sub></b> | (mm)            | 3500                   |
|                 | 4.19           | Overall length                                   | <b>l<sub>1</sub></b>                | (mm)            | 1888                   |
|                 | 4.20           | Length to fork face                              | <b>l<sub>2</sub></b>                | (mm)            | 738                    |
|                 | 4.21           | Overall width                                    | <b>b<sub>1</sub></b>                | (mm)            | 862                    |
|                 | 4.22           | Fork dimensions                                  | <b>s/e/l</b>                        | (mm)            | 55/165/1150            |
|                 | 4.25           | Overall forks width                              | <b>b<sub>5</sub></b>                | (mm)            | 570                    |
|                 | 4.32           | Ground clearance, centre of wheelbase            | <b>m<sub>2</sub></b>                | (mm)            | 35                     |
|                 | 4.34           | Aisle width with pallet 800x1200 mm along forks  | <b>Ast</b>                          | (mm)            | 2276                   |
| 4.35            | Turning radius | <b>Wa</b>  | (mm)                                | 1428            |                        |
| Performance     | 5.1            | Travel speed, with/ without load                 |                                     | (km/h)          | 5.5/6.0                |
|                 | 5.2            | Lifting speed, with/ without load                |                                     | (m/s)           | 0.136/0.160            |
|                 | 5.3            | Lowering speed, with/ without load               |                                     | (m/s)           | 0.190/0.160            |
|                 |                |  |                                     |                 | 0.095/0.080            |
|                 | 5.8            | Maximum gradeability, with/ without load         |                                     | (%)             | 8/15                   |
| 5.10            | Service brake  |  |                                     | Electromagnetic |                        |
| Drive           | 6.1            | Drive motor, rating S2 60 min                    |                                     | (kW)            | 1.3                    |
|                 | 6.2            | Lift motor rating S3 15%                         |                                     | (kW)            | 2.0                    |
|                 | 6.4            | Battery voltage/ rated capacity C5               |                                     | (V/Ah)          | 24/160                 |
| Others          | 8.1            | Type of drive control                            |                                     |                 | Pulse controller       |
|                 |                |  |                                     |                 | COMBI AC/250A          |

