



## Electric Sit-On Pallet Stacker KM.RPS 1250/5,8

### Standard equipment

- **Heavy-duty application**
- **Max. travel speed 9,0 km/h**
- Capacity – **1250 kg**
- Lifting height – **5,8 m**
- Support arm Chassis, 4-point
- Comfortable seat, adjustable by length, height and weight of the driver
- Control Pedals – AUTOMOTIVE style layout
- **Modern AC technology** - for high speed, high torque, quiet and smooth running:
  - **AC Drive motor - 2,9 kW**
  - **AC Steering motor - 0,4 kW**
- **DC pump motor – 4,0 kW**
- Electronics - **modern CANBUS-architecture** requiring less wiring, giving better reliability, providing easy and fast diagnostics
- Electric powered progressive steering 180°/standard or 360°/option
- Automatic Braking:
  - Emergency and Parking electromagnetic brake
  - Regenerative braking when releasing Accelerator in a neutral position or reversing the travel direction
  - **Regenerative braking over-boost** when stepping on the Brake pedal
- **Traction battery 24V 3PzS/375Ah C5** (standard wet Pb Acid)
- High frequency/**HF automatic on-board charger 24V/45A**
- **Sideways battery removal** - suitable for multi-shift application
- **Proportional hydraulics** for smooth, step-less Lifting/Lowering speed control
- EMERGENCY Switch
- Horn
- **Multifunctional Display** providing:
  - Battery-discharge indication
  - Hour meter
  - Current Traction wheel position and Travel direction
  - Alarms
- Rollers and wheels - **VULKOLLAN**. Load side - **Tandem rollers** as standard
- Rigidly fixed Castor wheel (left Driver side) and Drive Wheel (right Driver side)
- **Automatic Travel speed reduction** when:
  - Forks raised 1200mm and more
  - Cornering more than 10° left/right
- **Robust Three stage** Clear view mast
- High residual capacity depending on model
- **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 VULKOLLAN, 93° Shore A tyre (other tyres available on request)
  - High quality Electromagnetic Brake with environment-friendly friction lining

### Optional equipment

- Batteries with higher capacity
- Access-control by PIN-Code management
- Fork-camera with Colour display
- Gel/maintenance-free batteries HAWKER "Evolution"
- Choice of masts:
  - Different Lifting heights
  - Full free lift masts

## Electric Sit-on Pallet Stacker KM.RPS 1250/5,8

Type sheet for industrial Trucks according to VDI 2198

|                 |                | <b>VENI</b>                                      |                                     |                        |                        |      |      |
|-----------------|----------------|--|-------------------------------------|------------------------|------------------------|------|------|
| Characteristics | 1.1            | Manufacturer                                     |                                     |                        | <b>VENI</b>            |      |      |
|                 | 1.2            | Manufacturer's type designation                  |                                     |                        | <b>KM.RPS 1250/5,8</b> |      |      |
|                 | 1.3            | Power unit                                       |                                     |                        | Battery                |      |      |
|                 | 1.4            | Operation  |                                     |                        | Sit-on                 |      |      |
|                 | 1.5            | Load capacity                                    | <b>Q</b>                            | (kg)                   | <b>1250</b>            |      |      |
|                 | 1.51           | Residual capacity                                | <b>Qres</b>                         | -                      | -                      | -    |      |
|                 |                |  |                                     | $h_3+h_{13} = 4400$ mm | -                      | (kg) | 1250 |
|                 |                |  |                                     | $h_3+h_{13} = 5817$ mm | -                      | (kg) | 850  |
|                 | 1.6            | Load centre                                      | <b>c</b>                            | (mm)                   | 600                    |      |      |
|                 | 1.8            | Axle centre to fork face                         | <b>x</b>                            | (mm)                   | 800                    |      |      |
| 1.9             | Wheelbase      | <b>y</b>   | (mm)                                | 1484                   |                        |      |      |
| Weight          | 2.1            | Service weight incl. battery                     |                                     | (kg)                   | 1540                   |      |      |
|                 |                |  |                                     |                        |                        |      |      |
| Wheels/tyres    | 3.1            | Tyres front/rear (Polyurethane/PU, Vulkollan/VU) |                                     |                        | VU/VU                  |      |      |
|                 | 3.2            | Tyre size, front                                 |                                     | (mm)                   | D 254x100              |      |      |
|                 | 3.3            | Tyre size, rear                                  |                                     | (mm)                   | D 85x70                |      |      |
|                 | 3.4            | Support wheels - 2 pcs.                          |                                     | (mm)                   | D150x50 Twin           |      |      |
|                 | 3.5            | Wheels, number front / rear (x=driven)           |                                     | (mm)                   | 1x+1/4                 |      |      |
|                 | 3.6            | Track width, front                               | <b>b<sub>10</sub></b>               | (mm)                   | 750                    |      |      |
|                 | 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)                   | 2440                   |      |      |
|                 | 4.3            | Free lift  | <b>h<sub>2</sub></b>                | (mm)                   | 105                    |      |      |
|                 | 4.4            | Lift   | <b>h<sub>3</sub></b>                | (mm)                   | 5727                   |      |      |
|                 | 4.5            | Height, mast extended                            | <b>h<sub>4</sub></b>                | (mm)                   | 6188                   |      |      |
|                 | 4.7            | Height of overhead guard                         | <b>h<sub>6</sub></b>                | (mm)                   | 2060                   |      |      |
|                 | 4.8            | Cabin floor height                               | <b>h<sub>7</sub></b>                | (mm)                   | 500                    |      |      |
|                 | 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)                   | 5817                   |      |      |
|                 | 4.19           | Overall length                                   | <b>l<sub>1</sub></b>                | (mm)                   | 2110                   |      |      |
|                 | 4.20           | Length to fork face                              | <b>l<sub>2</sub></b>                | (mm)                   | 960                    |      |      |
|                 | 4.21           | Overall width                                    | <b>b<sub>1</sub></b>                | (mm)                   | 1060                   |      |      |
|                 | 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)                   | 30                     |      |      |
|                 | 4.34           | Aisle width with pallet 800x1200 mm along forks  | <b>Ast</b>                          | (mm)                   | 2525                   |      |      |
| 4.35            | Turning radius | <b>Wa</b>  | (mm)                                | 1760                   |                        |      |      |
| Performance     | 5.1            | Travel speed, with/without load                  |                                     | (km/h)                 | 8.0/9.0                |      |      |
|                 | 5.2            | Lifting speed, with/without load                 |                                     | (m/s)                  | 0.150/0.190            |      |      |
|                 | 5.3            | Lowering speed, with/without load                |                                     | (m/s)                  | 0.420/0.340            |      |      |
|                 | 5.7            | Gradeability, with/without load                  |                                     | (%)                    | 6/10                   |      |      |
|                 | 5.8            | Maximum gradeability, with/without load          |                                     | (%)                    | 8/10                   |      |      |
|                 | 5.10           | Service brake                                    |                                     |                        | Electromagnetic        |      |      |
| Drive           | 6.1            | Drive motor, rating S2 60 min                    |                                     | (kW)                   | 2.9                    |      |      |
|                 | 6.2            | Lift motor, rating S3 15%                        |                                     | (kW)                   | 4.0                    |      |      |
|                 | 6.4            | Battery voltage/rated capacity C5                |                                     | (V/Ah)                 | 24/375                 |      |      |
|                 | 6.5            | Battery weight                                   |                                     | (kg)                   | 298                    |      |      |
|                 | 8.1            | Type of drive control                            |                                     |                        | Pulse controllers AC   |      |      |

