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Electric Pedestrian Pallet Stacker KM.AC 1200/4,5 TT

Standard equipment:

- Max. travel speed – 6,0 km/h
- Capacity – 1200 kg
- Lifting height – 4,5 m
- AC Drive motor - 1,3 kW:
 - Maintenance free
 - External Encoder
 - Low noise level
- DC Pump motor – 2,2 kW
- Speed control by Pulse Controller COMBI AC/250A including regenerative braking with energy reclamation to the battery
- Electronics - modern CANBUS-architecture requiring less wiring, giving better reliability, providing easy and fast diagnostics
- Horn
- Automatic Braking:
 - EMERGENCY and PARKING electromagnetic brake
 - REGENERATIVE BRAKING when releasing the Accelerator in a neutral position or reversing the travel direction
- Traction battery 24V 2PzS/180Ah C5 (wet Pb Acid batteries)
- High frequency/HF automatic On-board Charger 24V/30A 1 ph.
- EMERGENCY Switch
- Multifunctional Digital Indicator displaying:
 - Battery's state of charge
 - Hour meter
 - Alarms
 - 3 factory preselected Driving Modes (SPD HI / SPD MID / SPD LO)
 - 3 factory preselected Lifting/Lowering Modes (HYD SFT / HYD MID / HYD HRD)
- Proportional hydraulics for smooth, step-less Lifting/Lowering speed control
- Rollers and wheels in Polyurethane. Load side - Tandem rollers / as standard
- Rigidly fixed Drive Wheel/left Driver's side and Castor wheel D150x50/right Driver's side
- CREEP SPEED function – travelling in restricted areas with Tiller-arm in upright position/vertical
- Automatic Travel speed reduction when forks raised above 600mm in accordance with the EN 1726-2 requirements
- Triplex Telescopic Three-stage Clear-view Mast
- 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:

- Authorised access with PIN Code management
- Batteries with higher capacity:
 - 24V 2PzS/250 Ah C5
 - 24V 2PzB/300 Ah C5
- Package EPS/Electric Powered Steering (including - EPS Transmission 1,3 kW + Mechanical Interface + Steering Controller + Sensors + Wiring + Integration)
Note: EPS is a system to provide FATIGUE-FREE (thus driver-friendly) and safe steering by means of electrical front-axle steering and Curve control
- Maintenance-free batteries HAWKER (GEL or NexSys)
- Li-Ion maintenance-free batteries MIDAC

Electric Pedestrian Pallet Stacker KM.AC 1200/4,5 TT

Type sheet for industrial Trucks according to VDI 2198

| | | VENI | | | |
|-----------------|----------------|--------------------------------------------------|--------------|--------|-----------------------------------|
| Characteristics | 1.1 | Manufacturer | | | |
| | 1.2 | Manufacturer's type designation | | | KM.AC 1200/4,5 TT |
| | 1.3 | Power unit | | | Battery |
| | 1.4 | Operation | | | Pedestrian |
| | 1.5 | Load capacity | Q | (kg) | 1200 |
| | 1.51 | Residual capacity | Qres | - | - |
| | | $h_3+h_{13} = 2600$ mm | - | (kg) | 1200 |
| | | $h_3+h_{13} = 4506$ mm | - | (kg) | 500 |
| | 1.6 | Load centre | c | (mm) | 600 |
| | 1.8 | Axle centre to fork face | x | (mm) | 690 |
| 1.9 | Wheelbase | y | (mm) | 1235 | |
| Weight | 2.1 | Service weight incl. battery | | (kg) | 1030 |
| | | | | | |
| 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 wheel | | (mm) | D 150x50 |
| | 3.5 | Wheels, number front / rear (x=driven) | | (mm) | 1x+1/4 |
| | 3.6 | Track width, front | b_{10} | (mm) | 621 |
| | 3.7 | Track width, rear | b_{11} | (mm) | 410 |
| Dimensions | 4.2 | Height, mast lowered | h_1 | (mm) | 1990 |
| | 4.3 | Free lift | h_2 | (mm) | 105 |
| | 4.4 | Lift | h_3 | (mm) | 4416 |
| | 4.5 | Height, mast extended | h_4 | (mm) | 4864 |
| | 4.9 | Height of tiller in drive position min./max. | h_{14} | (mm) | 1200/1310 |
| | 4.15 | Fork height, lowered | h_{13} | (mm) | 90 |
| | 4.151 | Fork height, lifted | h_3+h_{13} | (mm) | 4506 |
| | 4.19 | Overall length | l_1 | (mm) | 1878 |
| | 4.20 | Length to fork face | l_2 | (mm) | 728 |
| | 4.21 | Overall width | b_1 | (mm) | 852 |
| | 4.22 | Fork dimensions | s/e/l | (mm) | 55/165/1150 |
| | 4.25 | Overall forks width | b_5 | (mm) | 570 |
| | 4.32 | Ground clearance, centre of wheelbase | m_2 | (mm) | 30 |
| | 4.34 | Aisle width with pallet 800x1200 mm along forks | Ast | (mm) | 2298 |
| 4.35 | Turning radius | Wa | (mm) | 1450 | |
| Performance | 5.1 | Travel speed, with/ without load | | (km/h) | 5.6/6.0 |
| | 5.2 | Lifting speed, with/ without load | | (m/s) | 0.150/0.250 |
| | 5.3 | Lowering speed, with/ without load | | (m/s) | 0.260/0.280 |
| | 5.8 | Maximum gradeability, with/ without load | | (%) | 10/15 |
| | 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) | 3.2 |
| | 6.4 | Traction battery voltage/ rated capacity C5 | | (V/Ah) | 24/180 |
| Others | 8.1 | Type of drive control | | | Pulse controller COMBI AC/250A |
| | | | | | |

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