



## Electric Pedestrian Pallet Stacker KMS.AC 1500/3,0

### **Standard equipment:**

- Heavy-duty application
- Max. travel speed - 6,0 km/h
- Capacity - 1500 kg
- Lifting height - 3,0 m
- AC drive motor - 1,3 kW:
  - Maintenance free
  - External Encoder
  - Low noise level
- DC pump motor - 3,2 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 Accelerator in a neutral position or reversing the travel direction
- Traction battery 24V 2PzS/250Ah 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 - 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 600 mm and more
- Two-stage mast with central cylinder
- 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:
  - 24V 3PzS/315 Ah C5, incl. charger 24V/45A 1 ph.
  - 24V 3PzS/375 Ah C5, incl. charger 24V/45A 1 ph.
- Automatically foldable stand-on Platform, mid driver-side
- Manually foldable Side-protection arms
- Authorised access with PIN Code management
- Traction motor AC 1,5 kW
- 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
- Package HS for travel speed 10,0 km/h (including Automatically foldable stand-on Platform, Manually foldable Side-protection arms, Package EPS with Transmission 2,9 kW)
- Initial lift
- Sideways battery removal in a multi-shift applications (roller bed)
- Trolley for batteries side removal (with roller beds for 2 batteries)
- Straddle legs incl. Fork carriage ISO/FEM Class 2B and forks 40/100/1200mm
- Freezer application (working in cold storage rooms with temperature up to -25°C)
- Maintenance-free batteries HAWKER (GEL or NexSys)
- Li-Ion maintenance-free batteries MIDAC

## Electric Pedestrian Pallet Stacker KMS.AC 1500/3,0

Type sheet for industrial Trucks according to VDI 2198

Characteristics	1.1	Manufacturer			<b>VENI</b>
	1.2	Manufacturer's type designation			<b>KMS.AC 1500/3,0</b>
	1.3	Power unit			Battery
	1.4	Operation			Pedestrian
	1.5	Load capacity	<b>Q</b>	(kg)	<b>1500</b>
	1.51	Residual capacity	<b>Q<sub>res</sub></b>	-	-
		$h_3+h_{13} = 2000$ mm	-	(kg)	1500
		$h_3+h_{13} = 3000$ mm	-	(kg)	1050
	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)	1256	
Weight	2.1	Service weight incl. battery		(kg)	940
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)	2000
	4.3	Free lift	<b>h<sub>2</sub></b>	(mm)	100
	4.4	Lift	<b>h<sub>3</sub></b>	(mm)	2910
	4.5	Height, mast extended	<b>h<sub>4</sub></b>	(mm)	3405
	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)	3000
	4.19	Overall length	<b>l<sub>1</sub></b>	(mm)	1906
	4.20	Length to fork face	<b>l<sub>2</sub></b>	(mm)	756
	4.21	Overall width	<b>b<sub>1</sub></b>	(mm)	866
	4.22	Fork dimensions	<b>s/e/l</b>	(mm)	55/175/1150
	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>A<sub>st</sub></b>	(mm)	2294
4.35	Turning radius	<b>W<sub>a</sub></b>	(mm)	1446	
Performance	5.1	Travel speed, with/ without load		(km/h)	5.4/6.0
	5.2	Lifting speed, with/ without load		(m/s)	0.136/0.230
	5.3	Lowering speed, with/ without load		(m/s)	0.238/0.250
	5.8	Maximum gradeability, with/ without load		(%)	7/15
	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	Battery voltage/ rated capacity C5		(V/Ah)	24/250
Others	8.1	Type of drive control			Pulse controller COMBI AC/250A

