



## Electric Pedestrian Pallet Stacker KM.AC 1000/1,6

### Standard equipment

- Light duty application
- Max. travel speed – **6,0 km/h**
- **Capacity – 1000 kg**
- Lifting height – **1,6 m**
- **AC** drive motor - **1,3 kW**:
  - Maintenance free
  - External Encoder
  - Low noise level
- **DC** Pump motor – **1,5 kW**;
- Electronics - modern CANBUS-architecture requiring less wiring, giving better reliability, providing easy and fast diagnostics
- Speed control by pulse controller **AC/180A** 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 2x12-24V/110 Ah C5** (wet **Pb Acid** batteries)
- **High frequency/HF** Automatic On-board charger **24V/15A**
- EMERGENCY Switch
- Battery discharge indicator
- Battery charge indicator
- Hour meter
- Semi-Proportional Hydraulics:
  - Constant LIFTING speed
  - Proportional LOWERING performance
- Rollers and wheels in **Polyurethane**. Load side - **Single 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 1200 mm in accordance with the **EN 1726-2** requirements
- **Robust Single-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

- Tandem rollers
- Proportional Hydraulics for smooth step-less LIFTING/LOWERING performance
- Traction battery with higher capacity
- Modified Chassis (Straddle type)
- **Gel/maintenance-free** batteries and suitable Chargers

## Electric Pedestrian Pallet Stacker KM.AC 1000/1,6

Type sheet for industrial Trucks according to VDI 2198

Characteristics	1.1	Manufacturer			<b>VENI</b>
	1.2	Manufacturer's type designation			<b>KM.AC 1000/1,6</b>
	1.3	Power unit			Battery
	1.4	Operation			Pedestrian
	1.5	Load capacity	<b>Q</b>	(kg)	<b>1000</b>
	1.6	Load centre	c	(mm)	600
	1.8	Axle centre to fork face	x	(mm)	683
	1.9	Wheelbase	y	(mm)	1180
	Weight	2.1	Service weight incl. battery		(kg)
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 85x100
	3.4	Support wheel		(mm)	D 150x50
	3.5	Wheels, number front / rear (x=driven)		(mm)	1x+1/2
	3.6	Track width, front	b <sub>10</sub>	(mm)	621
	3.7	Track width, rear	b <sub>11</sub>	(mm)	410
Dimensions	4.2	Height, mast lowered	h <sub>1</sub>	(mm)	1990
	4.3	Free lift	h <sub>2</sub>	(mm)	-
	4.4	Lift	h <sub>3</sub>	(mm)	1510
	4.5	Height, mast extended	h <sub>4</sub>	(mm)	-
	4.9	Height of tiller in drive position min./max.	h <sub>14</sub>	(mm)	1200/1310
	4.15	Fork height, lowered	h <sub>13</sub>	(mm)	90
	4.151	Fork height, lifted	h <sub>3</sub> +h <sub>13</sub>	(mm)	1600
	4.19	Overall length	l <sub>1</sub>	(mm)	1815
	4.20	Length to fork face	l <sub>2</sub>	(mm)	665
	4.21	Overall width	b <sub>1</sub>	(mm)	852
	4.22	Fork dimensions	s/e/l	(mm)	55/165/1150
	4.25	Overall forks width	b <sub>5</sub>	(mm)	570
	4.32	Ground clearance, centre of wheelbase	m <sub>2</sub>	(mm)	35
	4.34	Aisle width with pallet 800x1200 mm along forks	Ast	(mm)	2234
	4.35	Turning radius	Wa	(mm)	1380
Performance	5.1	Travel speed, with/ without load		(km/h)	5.5/6.0
	5.2	Lifting speed, with/ without load		(m/s)	0.140/0.165
	5.3	Lowering speed, with/ without load		(m/s)	0.160/0.120
	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)	1.5
	6.4	Battery voltage/ rated capacity C5		(V/Ah)	2x12-24/110
Other	8.1	Type of drive control			Pulse controller AC/180A

