



Electric Pedestrian Pallet Stacker KM.AC 1000/3,5

Standard equipment

- Light duty application
- Max. travel speed – **6,0 km/h**
- **Capacity – 1000 kg**
- Lifting height – **3,5 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 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

- 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

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Type sheet for industrial Trucks according to VDI 2198

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Characteristics	1.1	Manufacturer			
	1.2	Manufacturer's type designation			KM.AC 1000/3,5
	1.3	Power unit			Battery
	1.4	Operation			Pedestrian
	1.5	Load capacity	Q	(kg)	1000
	1.51	Residual capacity	Qres	-	-
		$h_3+h_{13} = 2000$ mm	-	(kg)	1000
		$h_3+h_{13} = 3500$ mm	-	(kg)	500
	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)	660
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	b₁₀	(mm)	621
	3.7	Track width, rear	b₁₁	(mm)	410
Dimensions	4.2	Height, mast lowered	h₁	(mm)	2240
	4.3	Free lift	h₂	(mm)	120
	4.4	Lift	h₃	(mm)	3410
	4.5	Height, mast extended	h₄	(mm)	3885
	4.9	Height of tiller in drive position min./max.	h₁₄	(mm)	1200/1310
	4.15	Fork height, lowered	h₁₃	(mm)	90
	4.151	Fork height, lifted	h₃+h₁₃	(mm)	3500
	4.19	Overall length	l₁	(mm)	1815
	4.20	Length to fork face	l₂	(mm)	665
	4.21	Overall width	b₁	(mm)	852
	4.22	Fork dimensions	s/e/l	(mm)	55/165/1150
	4.25	Overall forks width	b₅	(mm)	570
	4.32	Ground clearance, centre of wheelbase	m₂	(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
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	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
Others	8.1	Type of drive control			Pulse controller AC/180A

