



Electric Pedestrian Pallet Stacker KMS.AC 2000/3,5

Standard equipment

- Heavy-duty application
- Max travel speed 6,0km/h
- Capacity – **2000 kg**
- Lifting height – **3.5 m**
- **AC** drive motor – **1,3 kW**:
 - Maintenance free
 - External Encoder
 - Low noise level
- **DC** pump motor – **3,0 kW**
- **Electronics – modern CANBUS-architecture** requiring less wiring, giving better reliability, providing easy and fast diagnostics
- Speed control by pulse controller **COMBI AC/250A** 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 24V 3PzS/240Ah C5** / standard wet **Pb Acid** battery
- **High frequency/HF** automatic on-board charger **24V/30A**
- EMERGENCY Switch
- Multifunction Digital Indicator displaying:
 - Battery's state of charge
 - Hour meter
 - Alarms
- **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 1200mm and more
- Robust Two stage Clear view mast
- The Low centre of gravity-Chassis, strong masts and wheel layout concept – leading to high Residual capacity
- 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
- Foldable driver's platform
- Authorized access with **PIN-Code management**
- Straddle legs version, including Forks 40/100/1200mm ISO/FEM Class 2B
- Sideways battery removal in a multi-shift applications
- Gel/maintenance-free batteries HAWKER "Evolution"
- Initial lift
- Choice of mast:
 - Different Lifting heights
 - Full free lift mast
- **FLEET management unit**

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Type sheet for industrial Trucks according to VDI 2198

Characteristics	1.1	Manufacturer			VENI
	1.2	Manufacturer's type designation			KMS.AC 2000/3,5
	1.3	Power unit			Battery
	1.4	Operation			Pedestrian
	1.5	Load capacity	Q	(kg)	2000
	1.51	Residual capacity	Q_{res}	-	-
		$h_3+h_{13} = 2000 \text{ mm}$	-	(kg)	2000
		$h_3+h_{13} = 3500 \text{ mm}$	-	(kg)	1300
	1.6	Load centre	c	(mm)	600
	1.8	Axle centre to fork face	x	(mm)	700
	1.9	Wheelbase	y	(mm)	1339
Weight	2.1	Service weight incl. battery		(kg)	1150
Wheels/tyres	3.1	Tyres front/rear (Polyurethane/PU, Vulkollan/VU)			PU/VU
	3.2	Tyre size, front		(mm)	D 230x70
	3.3	Tyre size, rear		(mm)	D 85x80
	3.4	Support wheels		(mm)	D 150x60
	3.5	Wheels, number front / rear (x=driven)		(mm)	1x+2/4
	3.6	Track width, front	b₁₀	(mm)	810
	3.7	Track width, rear	b₁₁	(mm)	387
Dimensions	4.2	Height, mast lowered	h₁	(mm)	2260
	4.3	Free lift	h₂	(mm)	110
	4.4	Lift	h₃	(mm)	3410
	4.5	Height, mast extended	h₄	(mm)	3910
	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)	1979
	4.20	Length to fork face	l₂	(mm)	829
	4.21	Overall width	b₁	(mm)	1080
	4.22	Fork dimensions	s/e/l	(mm)	60/195/1150
	4.25	Overall forks width	b₅	(mm)	570
	4.32	Ground clearance, centre of wheelbase	m₂	(mm)	30
	4.34	Aisle width with pallet 800x1200 mm along forks	A_{st}	(mm)	2369
	4.35	Turning radius	W_a	(mm)	1529
Performance	5.1	Travel speed, with/ without load		(km/h)	5.2/6.0
	5.2	Lifting speed, with/ without load		(m/s)	0.102/0.130
	5.3	Lowering speed, with/ without load		(m/s)	0.196/0.170
	5.8	Maximum gradeability, with/ without load		(%)	4/8
	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)	3.0
	6.4	Battery voltage/ rated capacity C5		(V/Ah)	24/240
Others	8.1	Type of drive control			Pulse controller COMBI AC/250A

