



Electric Pedestrian Pallet Stacker KMS.AC 1500/4,5

Standard equipment

- Heavy-duty application
- Max travel speed 6,0km/h
- Capacity – **1500 kg**
- Lifting height – **4.5 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 Three 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

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Characteristics	1.1	Manufacturer			KMS.AC 1500/4,5	
	1.2	Manufacturer's type designation			Battery	
	1.3	Power unit			Pedestrian	
	1.4	Operation				
	1.5	Load capacity	Q	(kg)	1500	
	1.51	Residual capacity	Q_{res}	-	-	
				$h_3+h_{13} = 2400$ mm	(kg)	1500
				$h_3+h_{13} = 4506$ mm	(kg)	1000
	1.6	Load centre	c	(mm)	600	
	1.8	Axle centre to fork face	x	(mm)	690	
1.9	Wheelbase	y	(mm)	1314		
Weight	2.1	Service weight incl. battery		(kg)	1140	
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	b₁₀	(mm)	810	
	3.7	Track width, rear	b₁₁	(mm)	410	
Dimensions	4.2	Height, mast lowered	h₁	(mm)	1990	
	4.3	Free lift	h₂	(mm)	105	
	4.4	Lift	h₃	(mm)	4416	
	4.5	Height, mast extended	h₄	(mm)	4870	
	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)	4506	
	4.19	Overall length	l₁	(mm)	1964	
	4.20	Length to fork face	l₂	(mm)	814	
	4.21	Overall width	b₁	(mm)	1080	
	4.22	Fork dimensions	s/e/l	(mm)	55/175/1150	
	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	Ast	(mm)	2352		
4.35	Turning radius	Wa	(mm)	1504		
Performance	5.1	Travel speed, with/ without load		(km/h)	5.4/6.0	
	5.2	Lifting speed, with/ without load		(m/s)	0.125/0.156	
	5.3	Lowering speed, with/ without load		(m/s)	0.230/0.184	
	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)	3.0	
	6.4	Battery voltage/ rated capacity C5		(V/Ah)	24/240	
Others	8.1	Type of drive control			Pulse controller COMBI AC/250A	

