



Electric Pedestrian Pallet Truck KH.LS 2000

Standard equipment

- Max travel speed - 6,0 km/h
- Capacity - 2000 kg
- Lifting height - 125 mm
- AC drive motor - 1,3 kW:
 - Maintenance free
 - External Encoder
 - Low noise level
- DC pump motor - 2,0 kW
- Speed control by Pulse controller AC/180A, 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 PbAcid battery
- 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)
- Battery charge indicator
- Rollers and wheels in POLYURETHANE, load-side - Tandem rollers / as standard
- Two castor wheels, left and right driver-side
- Spring loaded Drive Wheel, mid driver-side
- CREEP SPEED function - traveling in restricted areas with Tiller-arm in upright/vertical position
- 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:

- Automatically foldable stand-on Platform, mid driver-side
- Authorised access with PIN Code management
- Traction motor AC 1,5 kW
- Optional batteries:
 - 24V 3PzS/315 Ah C5, incl. charger 24V/45A 1 ph.
 - 24V 3PzS/375 Ah C5, incl. charger 24V/45A 1 ph.
- Maintenance-free batteries HAWKER (GEL or NexSys)
- Li-Ion maintenance-free batteries MIDAC

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Type sheet for industrial Trucks according to VDI 2198

Characteristics	1.1	Manufacturer			VENI
	1.2	Manufacturer's type designation			KH.LS 2000
	1.3	Power unit			Battery
	1.4	Operation			Pedestrian
	1.5	Load capacity	Q	(kg)	2000
	1.6	Load centre	c	(mm)	600
	1.8	Axle centre to fork face	x	(mm)	862(*)
	1.9	Wheelbase	y	(mm)	1320(*)
	Weight	2.1	Service weight incl. battery		(kg)
Wheel/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 ₁₀	(mm)	520
	3.7	Track width, rear	b ₁₁	(mm)	375
Dimensions	4.4	Lift	h ₃	(mm)	125
	4.9	Height of tiller in drive position min./max.	h ₁₄	(mm)	1040/1330
	4.15	Fork height, lowered	h ₁₃	(mm)	85
	4.19	Overall length	l ₁	(mm)	1810
	4.20	Length to fork face	l ₂	(mm)	660
	4.21	Overall width	b ₁	(mm)	736
	4.22	Fork dimensions	s/e/l	(mm)	55/165/1150
	4.25	Overall forks width	b ₅	(mm)	540
	4.32	Ground clearance, centre of wheelbase	m ₂	(mm)	35/160
	4.34	Aisle width with pallet 800x1200 mm along forks	A _{st}	(mm)	2068
4.35	Turning radius	W _a	(mm)	1530	
Performance	5.1	Travel speed, with/without load		(km/h)	5.6/6.0
	5.2	Lifting speed, with/without load		(m/s)	0.060/0.090
	5.3	Lowering speed, with/without load		(m/s)	0.065/0.050
	5.8	Maximum gradeability, with/without load		(%)	8/16
	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)	2.0
	6.4	Battery voltage/rated capacity C5		(V/Ah)	24/250
Others	8.1	Type of drive control			Pulse controller
					AC/180A

(*) - Load section lowered +72 mm

