



Electric Pedestrian Pallet Truck KH.BS 1600

Standard equipment

- Max travel speed - 6,0 km/h
- Capacity - 1600 kg
- Lifting height - 125 mm
- AC drive motor - 1,3 kW:
 - Maintenance free
 - External Encoder
 - Low noise level
- DC pump motor - 1,5 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 2x12-24V/110Ah C5 (wet PbAcid "Monobloc" batteries)
- High frequency / HF automatic on-board charger 24V/15A 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)
- Rollers and wheels in POLYURETHANE, load-side - Single rollers / as standard
- Two Spring loaded castor wheels (left and right driver-side)
- Rigidly fixed to the chassis Drive wheel in the middle driver-side
- CREEP SPEED function - travelling 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:

- Tandem rollers
- Authorised access with PIN Code management
- Optional batteries:
 - 24V 2PzS/120 Ah C5
 - 24V 2PzS/160 Ah C5, incl. charger 24V/30A 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.BS 1600
	1.3	Power unit			Battery
	1.4	Operation			Pedestrian
	1.5	Load capacity	Q	(kg)	1600
	1.6	Load centre	c	(mm)	600
	1.8	Axle centre to fork face	x	(mm)	886(*)
	1.9	Wheelbase	y	(mm)	1280(*)
	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 85x100
	3.4	Support wheels		(mm)	D 100x40
	3.5	Wheels, number front / rear (x=driven)		(mm)	1x+2/2
	3.6	Track width, front	b ₁₀	(mm)	490
	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)	880/1310
	4.15	Fork height, lowered	h ₁₃	(mm)	85
	4.19	Overall length	l ₁	(mm)	1691
	4.20	Length to fork face	l ₂	(mm)	541
	4.21	Overall width	b ₁	(mm)	730
	4.22	Fork dimensions	s/e/l	(mm)	50/165/1150
	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)	2013
4.35	Turning radius	W _a	(mm)	1499	
Performance	5.1	Travel speed, with/without load		(km/h)	5.4/6.0
	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		(%)	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

(*) - Load section lowered +84 mm

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