



Electric Sit-On Pallet Stacker KM.RPS 1500/5,8

Standard equipment

- **Heavy-duty application**
- **Max. travel speed 9,0 km/h**
- Capacity – **1500 kg**
- Lifting height – **5,8 m**
- Support arm Chassis, 4-point
- Comfortable seat, adjustable by length, height and weight of the driver
- Control Pedals – AUTOMOTIVE style layout
- **Modern AC technology** - for high speed, high torque, quiet and smooth running:
 - **AC Drive motor - 2,9 kW**
 - **AC Steering motor - 0,4 kW**
- **DC pump motor – 4,0 kW**
- Electronics – **modern CANBUS-architecture** requiring less wiring, giving better reliability, providing easy and fast diagnostics
- Electric powered progressive steering 180°/standard or 360°/option
- Automatic Braking:
 - Emergency and Parking electromagnetic brake
 - Regenerative braking when releasing Accelerator in a neutral position or reversing the travel direction
 - **Regenerative braking over-boost** when stepping on the Brake pedal
- **Traction battery 24V 3PzS/375Ah C5** (standard wet Pb Acid)
- High frequency/**HF automatic on-board charger 24V/45A**
- **Sideways battery removal** - suitable for multi-shift application
- **Proportional hydraulics** for smooth, step-less Lifting/Lowering speed control
- EMERGENCY Switch
- Horn
- **Multifunctional Display** providing:
 - Battery-discharge indication
 - Hour meter
 - Current Traction wheel position and Travel direction
 - Alarms
- Rollers and wheels - **VULKOLLAN**. Load side - **Tandem rollers** as standard
- Rigidly fixed Castor wheel (left Driver side) and Drive Wheel (right Driver side)
- **Automatic Travel speed reduction** when:
 - Forks raised 1200mm and more
 - Cornering more than 10° left/right
- **Robust Three stage** Clear view mast
- High residual capacity depending on model
- **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 VULKOLLAN, 93° Shore A tyre (other tyres available on request)
 - High quality Electromagnetic Brake with environment-friendly friction lining

Optional equipment

- Batteries with higher capacity
- Access-control by PIN-Code management
- Fork-camera with Colour display
- Gel/maintenance-free batteries HAWKER "Evolution"
- Choice of masts:
 - Different Lifting heights
 - Full free lift masts

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Type sheet for industrial Trucks according to VDI 2198

		VENI				
Characteristics	1.1	Manufacturer			VENI	
	1.2	Manufacturer's type designation			KM.RPS 1500/5,8	
	1.3	Power unit			Battery	
	1.4	Operation			Sit-on	
	1.5	Load capacity	Q	(kg)	1500	
	1.51	Residual capacity	Qres	-	-	
				$h_3+h_{13} = 2800$ mm	(kg)	1500
				$h_3+h_{13} = 4400$ mm	(kg)	1200
		$h_3+h_{13} = 5817$ mm	(kg)	860		
	1.6	Load centre	c	(mm)	600	
1.8	Axle centre to fork face	x	(mm)	800		
1.9	Wheelbase	y	(mm)	1484		
Weight	2.1	Service weight		(kg)	1640	
Wheels/tyres	3.1	Tyres front/rear (Polyurethane/PU, Vulkollan/VU)			VU/VU	
	3.2	Tyre size, front		(mm)	D 254x100	
	3.3	Tyre size, rear		(mm)	D 85x70	
	3.4	Support wheel		(mm)	D150x50 Twin	
	3.5	Wheels, number front / rear (x=driven)		(mm)	1x+1/4	
	3.6	Track width, front	b_{10}	(mm)	750	
	3.7	Track width, rear	b_{11}	(mm)	410	
Dimensions	4.2	Height, mast lowered	h_1	(mm)	2440	
	4.3	Free lift	h_2	(mm)	105	
	4.4	Lift	h_3	(mm)	5727	
	4.5	Height, mast extended	h_4	(mm)	6188	
	4.7	Height of overhead guard	h_6	(mm)	2060	
	4.8	Cabin floor height	h_7	(mm)	500	
	4.15	Fork height, lowered	h_{13}	(mm)	90	
	4.151	Fork height, lifted	h_3+h_{13}	(mm)	5817	
	4.19	Overall length	l_1	(mm)	2110	
	4.20	Length to fork face	l_2	(mm)	960	
	4.21	Overall width	b_1	(mm)	1060	
	4.22	Fork dimensions	s/e/l	(mm)	55/165/1150	
	4.25	Overall forks width	b_5	(mm)	570	
	4.32	Ground clearance, centre of wheelbase	m_2	(mm)	30	
	4.34	Aisle width with pallet 800x1200 mm along forks	Ast	(mm)	2525	
4.35	Turning radius	Wa	(mm)	1760		
Performance	5.1	Travel speed, with/without load		(km/h)	8.0/9.0	
	5.2	Lifting speed, with/without load		(m/s)	0.135/0.170	
	5.3	Lowering speed, with/without load		(m/s)	0.380/0.310	
	5.7	Gradeability, with/without load		(%)	6/10	
	5.8	Maximum gradeability, with/without load		(%)	8/10	
	5.10	Service brake			Electromagnetic	
Drive	6.1	Drive motor, rating S2 60 min		(kW)	2.9	
	6.2	Lift motor, rating S3 15%		(kW)	4.0	
	6.4	Battery voltage/rated capacity C5		(V/Ah)	24/375	
	6.5	Battery weight		(kg)	298	
Others	8.1	Type of drive control			Pulse controllers AC	

