



## Electric Sit-On Pallet Stacker KM.RPS 1500/4,5

### Standard equipment

- **Heavy-duty application**
- **Max. travel speed 9,0 km/h**
- Capacity – **1500 kg**
- Lifting height – **4,5 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

## Electric Sit-on Pallet Stacker KM.RPS 1500/4,5

Type sheet for industrial Trucks according to VDI 2198

		<b>VENI</b>			
Characteristics	1.1	Manufacturer			<b>VENI</b>
	1.2	Manufacturer's type designation			<b>KM.RPS 1500/4,5</b>
	1.3	Power unit			Battery
	1.4	Operation			Sit-on
	1.5	Load capacity	<b>Q</b>	(kg)	<b>1500</b>
	1.51	Residual capacity	<b>Qres</b>	-	-
		$h_3+h_{13} = 2800$ mm	-	(kg)	1500
		$h_3+h_{13} = 4506$ mm	-	(kg)	1150
	1.6	Load centre	<b>c</b>	(mm)	600
	1.8	Axle centre to fork face	<b>x</b>	(mm)	800
1.9	Wheelbase	<b>y</b>	(mm)	1484	
Weight	2.1	Service weight incl. battery		(kg)	1590
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>b<sub>10</sub></b>	(mm)	750
	3.7	Track width, rear	<b>b<sub>11</sub></b>	(mm)	410
Dimensions	4.2	Height, mast lowered	<b>h<sub>1</sub></b>	(mm)	1990
	4.3	Free lift	<b>h<sub>2</sub></b>	(mm)	105
	4.4	Lift	<b>h<sub>3</sub></b>	(mm)	4416
	4.5	Height, mast extended	<b>h<sub>4</sub></b>	(mm)	4870
	4.7	Height of overhead guard	<b>h<sub>6</sub></b>	(mm)	2060
	4.8	Cabin floor height	<b>h<sub>7</sub></b>	(mm)	500
	4.15	Fork height, lowered	<b>h<sub>13</sub></b>	(mm)	90
	4.151	Fork height, lifted	<b>h<sub>3</sub>+h<sub>13</sub></b>	(mm)	4506
	4.19	Overall length	<b>l<sub>1</sub></b>	(mm)	2110
	4.20	Length to fork face	<b>l<sub>2</sub></b>	(mm)	960
	4.21	Overall width	<b>b<sub>1</sub></b>	(mm)	1060
	4.22	Fork dimensions	<b>s/e/l</b>	(mm)	55/165/1150
	4.25	Overall forks width	<b>b<sub>5</sub></b>	(mm)	570
	4.32	Ground clearance, centre of wheelbase	<b>m<sub>2</sub></b>	(mm)	30
	4.34	Aisle width with pallet 800x1200 mm along forks	<b>Ast</b>	(mm)	2525
4.35	Turning radius	<b>Wa</b>	(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
	8.1	Type of drive control			Pulse controllers AC

