



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

Standard equipment:

- Heavy-duty application
- Max. travel speed - 10,0 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 - 4,4 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/375 Ah C5 / wet Pb Acid batteries
- High frequency/HF automatic on-board charger 24V/45A 1 ph.
- Sideways battery removal, suitable for multi-shift applications (roller bed)
- 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
 - 3 factory preselected Driving Modes (SPD HI / SPD MID / SPD LO)
- 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 600 mm and more
 - Cornering more than 10° left/right
- TRIPLEX Full Free Lift mast
- High residual capacity depending on model
- Low maintenance Drive-wheel unit:
 - Modern AC traction motor in vertical position
 - High efficient gear box / gears in oil bath - oil change required once per 2500 hours or 2 years
 - 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:
 - 24V 3PzS/420 Ah C5
 - 24V 4PzS/500 Ah C5, incl. charger 24V/60A 1 ph.
 - 24V 4PzS/600 Ah C5, incl. charger 24V/60A 1 ph.
- Authorised access with PIN Code management
- Trolley for batteries side removal (with roller beds for 2 batteries)
- Camera on the fork carriage
- Freezer application (working in cold storage rooms with temperature up to -25°C)
- Maintenance-free batteries HAWKER (GEL or NexSys)
- Li-Ion maintenance-free batteries MIDAC
- Different Lifting heights

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

Type sheet for industrial Trucks according to VDI 2198

		VENI			
Characteristics	1.1	Manufacturer			VENI
	1.2	Manufacturer's type designation			KM.RPS 1500/4,5 T
	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
		$h_3+h_{13} = 4500$ mm	-	(kg)	1150
	1.6	Load centre	c	(mm)	600
1.8	Axle centre to fork face	x	(mm)	800	
1.9	Wheelbase	y	(mm)	1523	
Weight	2.1	Service weight incl. battery		(kg)	1695
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	b₁₀	(mm)	750
	3.7	Track width, rear	b₁₁	(mm)	407
Dimensions	4.2	Height, mast lowered	h₁	(mm)	2010
	4.3	Free lift	h₂	(mm)	1470
	4.4	Lift	h₃	(mm)	4410
	4.5	Height, mast extended	h₄	(mm)	4950
	4.7	Height of overhead guard	h₆	(mm)	2060
	4.8	Cabin floor height	h₇	(mm)	500
	4.15	Fork height, lowered	h₁₃	(mm)	90
	4.151	Fork height, lifted	h₃+h₁₃	(mm)	4500
	4.19	Overall length	l₁	(mm)	2149
	4.20	Length to fork face	l₂	(mm)	999
	4.21	Overall width	b₁	(mm)	1060
	4.22	Fork dimensions	s/e/l	(mm)	55/185/1150
	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)	2565
4.35	Turning radius	Wa	(mm)	1799	
Performance	5.1	Travel speed, with/without load		(km/h)	9.0/10.0
	5.2	Lifting speed, with/without load		(m/s)	0.190/0.280
	5.3	Lowering speed, with/without load		(m/s)	0.380/0.390
	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)	4.4
	6.4	Battery voltage/rated capacity C5		(V/Ah)	24/375
	6.5	Battery weight		(kg)	295
Others	8.1	Type of drive control			Pulse controllers AC

