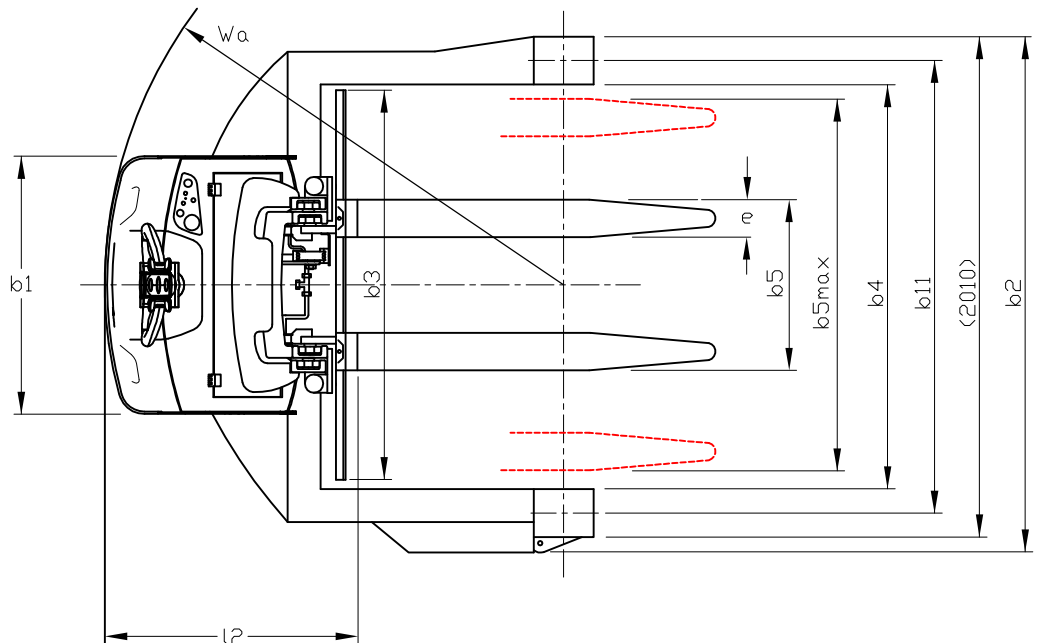
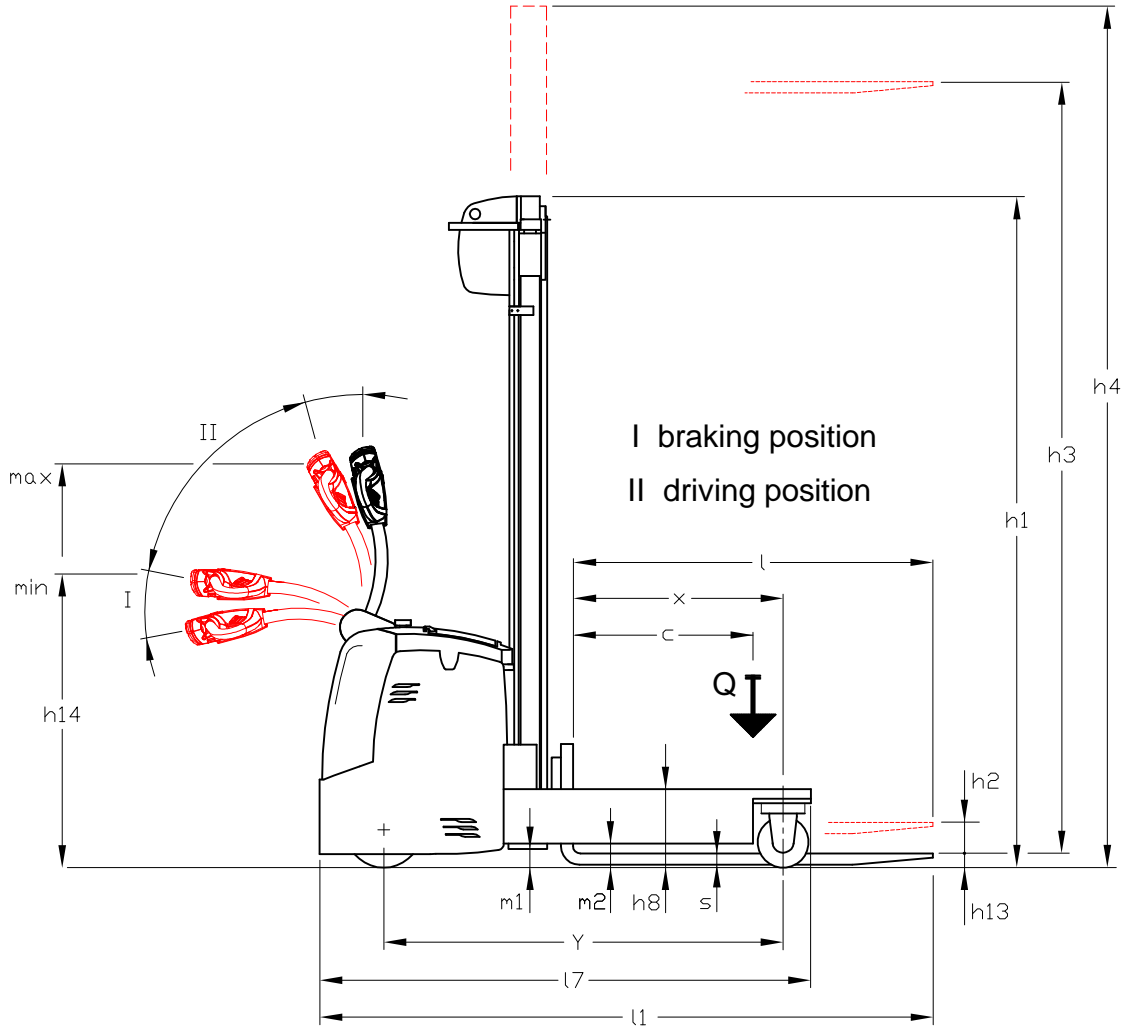


Electric Pedestrian Pallet Stacker KMSac.4W 16xxxx TT

Type sheet for industrial Trucks according to **VDI 2198**

		Veni and Co Ltd					
Characteristics	1.1	Manufacturer			164416 TT	164920 TT	165727 TT
	1.2	Model designation			Battery		
	1.3	Power unit			Pedestrian		
	1.4	Operation			1600		
	1.5	Load capacity	Q	(kg)	-		
	1.51	Residual capacity	Qres	-	-	-	-
		h ₃ +h ₁₃ = 3300 / 3300* / 3300** mm	-	(kg)	1600	1600*	1600**
		h ₃ +h ₁₃ = 4476 / 4980* / 5787** mm	-	(kg)	1200	1100*	960**
	1.6	Load center	c	(mm)	600		
	1.8	Axle center to fork face	x	(mm)	760		
1.9	Wheel-base	y	(mm)	1450			
	2.1	Service weight		(kg)	1420	1450	1510
Wheels/tyres	3.1	Tyres front/rear (Polyurethane/PU, Vulkollan/VU)			VU/VU		
	3.2	Tyre size, front (drive) wheel		(mm)	D 254x100		
	3.3	Tyre size, rear (load) wheel		(mm)	D 150x50 Twin		
	3.4	Suport wheel - 2 pcs.		(mm)	-		
	3.5	Wheels, number front (drive)/ rear (load) (x=driven)		(mm)	1x/4		
	3.6	Track width, front	b ₁₀	(mm)	-		
	3.7	Track width, rear	b ₁₁	(mm)	1130-1530-1830		
Dimensions	4.2	Height, mast lowered	h ₁	(mm)	2072	2240	2509
	4.3	Free lift	h ₂	(mm)	105		
	4.4	Lift	h ₃	(mm)	4416	4920	5727
	4.5	Height, mast extended	h ₄	(mm)	4946	5450	6257
	4.9	Height of tiller in drive position min/max	h ₁₄	(mm)	1320/1500		
	4.10	Height of wheel arms	h ₈	(mm)	280		
	4.15	Height lowered	h ₁₃	(mm)	60		
	4.151	Height forks lifted	h ₃ +h ₁₃	(mm)	4476	4980	5787
	4.19	Overall length	l ₁	(mm)	2087		
	4.20	Length to fork face	l ₂	(mm)	887		
	4.21	Overall width front	b ₁	(mm)	866		
		Overall width rear	b ₂	(mm)	1395-1795-2095		
	4.22	Fork dimensions	s/e/l	(mm)	45/120/1200		
	4.23	Fork carriage ISO 2328	-	-	Class2B		
	4.24	Fork carriage width	b ₃	(mm)	900-1300-1600		
	4.25	Overall forks width min/max	b ₅	(mm)	300/860-1260-1560		
	4.26	Distance between wheel arms	b ₄	(mm)	950-1350-1650		
4.31	Ground clearance,below mast	m ₁	(mm)	60			
4.32	Ground clearance, center of wheelbase	m ₂	(mm)	80			
4.34	Aisle width for pallets 800x1200mm along forks	Ast	(mm)	-			
	Aisle width for pallets 800x1200mm across forks	Ast	(mm)	-			
4.35	Turning radius	Wa	(mm)	1647			
4.37	Length across wheel arms	l ₇	(mm)	1792			
Performance	5.1	Travel speed, with/without load		(km/h)	5.4/6.0		
	5.2	Lifting speed,with/without load		(m/s)	0.134/0.250		
	5.3	Lowering speed, with/without load		(m/s)	0.215/0.230		
	5.8	Maximum climbing ability, with/without load,rating 5 min		(%)	-		
	5.10	Service brake			Electromagnetic, regenerative		
Drive	6.1	Drive motor, rating S2 60 min		(kW)	2.9		
	6.2	Lift motor, rating S3 15%		(kW)	3.2		
	6.4	Battery voltage/rated capacity C5		(V/Ah)	24/315		
Other	8.1	Type of drive control			Pulse controller		
					COMBI AC/300A		

KMSac.4W 16xxxx TT



Electric Pedestrian Pallet 4-way Stacker KMSac 16xxxx TT

Standard equipment:

- Mid to Heavy-duty application
- Max. travel speed - 6,0 km/h
- Nominal capacity – 1600 kg
- **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 – 3,2 kW;**
- Electronics - modern **CANBUS-architecture** requiring less wiring, giving better reliability, providing easy and fast diagnostics;
- **Electric Powered progressive Steering;**
- Speed control by **Pulse controller COMBI AC/300A:**
 - smooth and gently running Forward/Backward;
 - smooth, step-less Lifting/Lowering;
 - 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 3PzS/315 Ah C5 / wet Pb Acid batteries:**
- High frequency/HF automatic on-board charger **24V/45A 1ph.:**
- **EMERGENCY** Switch
- Multifunction Digital Indicator displaying:
 - Battery's state of charge
 - Hour meter
 - Alarms
- **Proportional hydraulics for smooth, step less Lifting/Lowering speed control**
- **External Battery-charging Indicator;**
- Spring loaded Drive wheel;
- Traction wheel – VULKOLLAN tire 254x100mm;
- Support / Load wheels – VULKOLLAN tire;
- **CREEP SPEED** function – travelling in restricted areas with Tiller-arm in upright position
- Automatic Travel speed reduction when forks raised 1200 mm and more
- Robust Three-stage clear view mast / Triplex Telescopic
- Low-maintenance Drive-wheel unit:
 - Modern AC traction motor in vertical position
 - High efficient gear box /gears in oil bath - oil change required after 2000 working hours
 - High quality Traction wheel with VULKOLLAN, 93° Shore A tyre (other tyres available on request)
 - High quality Electromagnetic Brake with environment-friendly friction lining

Specific standard equipment:

- **Chassis design – Straddle legs**
- **Distance between the wheel arms “b4=950mm” - Standard (1350 and 1650mm - Optional)**
- **Specific Load wheels;**
- **Fork carriage class 2B, ISO 2328, Carriage width “b3=900mm” - Standard (1300 and 1600 – Optional)**
- **Forged forks 45/120/1200mm, manually adjustable Overall forks width “b5= from 300 to 860” – Standard (1260 and 1560mm).**

Optional Equipment

- | | | | |
|---|--|------------|---|
| • Batteries with higher capacity: | | | |
| - 375 Ah C5, incl. charger 24V/45A | | plus 145 € | - |
| - 420 Ah C5, incl. external charger 24V/60A | | plus 553 € | - |
| • Authorized access with PIN-Code management | | plus 174 € | - |
| • Full Free-lift mast | | plus 380 € | - |
| • Optional Straddle legs distance: | | | |
| - “b4=1350mm” | | plus 186 € | - |
| - “b4=1650mm” | | plus 247 € | - |
| • Maintenance-free batteries | | by request | - |