

# TM 40-50

Stability and Manoeuvrability

Electric power pallet truck for handling heavy loads.



**Ergonomic push button control box** and Button for slow functions.

**Tiller arm** and relative **drive wheel** fitted in the middle of the truck ensure to the operator: Safety, Stability, Manoeuvrability (200° steering radius) and maximum Strength.

**Powerful electric and high performance traction motor** in AC and CAN BUS technology, without brushes that enable speed control on flat surfaces, uphill and downhill and reduced maintenance interventions.

**Spring-loaded steering** that maintains constant contact of the drive wheel to the floor.

**Very good stability** of the truck and minimum steering effort even when truck with full load.

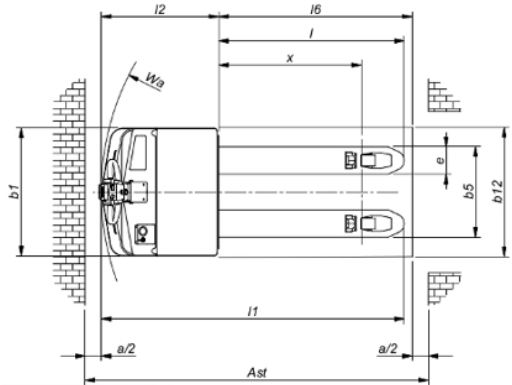
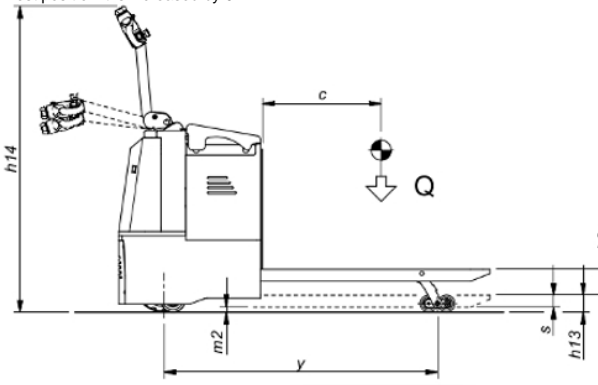
**Special dimensions** on request.

**samag**<sup>®</sup>  
FACILE TRASPORTARE.

SAMAG products and brochure specifications are subject to change without notice.

Distinguishing mark	1.1	Manufacturer			SAMAG	SAMAG	
	1.2	Manufacturer's type designation			TM 40	TM 50	
	1.3	Drive: electric (battery or mains), diesel, petrol, fuel gas			Battery	Battery	
	1.4	Operator type: hand, pedestrian, standing, seated, order-picker			pedestrian	pedestrian	
	1.5	load capacity/rated load	Q	t	4,0	5,0	
	1.6	Load centre distance	C	mm	600	600	
	1.8	Load distance, centre of drive axle to fork	x	mm	874 ( 1 )	874 ( 1 )	
	1.9	Wheelbase	Y	mm	1383 ( 1 )	1383 ( 1 )	
	Weight	2.1	Service weight			Kg	830
2.2		Axle loading, laden ( front / rear )			Kg	1460/3370	
2.3		Axle loading, unladen ( front / rear )			Kg	670 / 160	
Tyres, chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyureth.			Vulkollan	Vulkollan	
	3.2	Tyre size, front		mm	310x90 / 150x50	310x90 / 150x50	
	3.3	Tyre size, rear		mm	85x70	85x70	
	3.5	Wheels, number front rear (x = driven wheels)			1X + 4/4	1X + 4/4	
	3.6	Tread, front	b <sub>10</sub>	mm	673	673	
	3.7	Tread, rear	b <sub>11</sub>	mm	380	380	
	Dimensions	4.4	Lift			h <sub>3</sub>	mm
4.8		Seat height/stand height			h <sub>7</sub>	mm	135
4.9		Height of tiller in drive position ( min. / max. )			h <sub>14</sub>	mm	1150 / 1395
4.15		Height of forks from ground			h <sub>13</sub>	mm	85
4.19		Overall length			l <sub>1</sub>	mm	1887
4.20		Lenght of face of forks			l <sub>2</sub>	mm	737
4.21		Overall width	b <sub>1</sub> / b <sub>2</sub>	mm			845
4.22		Fork dimensions	sl <sub>ell</sub>	mm	70 / 180 / 1150		70 / 200 / 1150
4.25		External fork widths	b <sub>5</sub>	mm	560		570
4.32		Ground clearance, centre of wheelbase	m <sub>2</sub>	mm	15		15
4.34		Aisle width for pallets 800 x 1200 crossways	A <sub>st</sub>	mm	2137		2137
4.35	Turning radius	W <sub>a</sub>	mm	1611		1611	
Performance data	5.1	Travel speed ( laden / unladen )			Km/h		5/5
	5.2	lift speed ( laden / unladen )			m/s		0,02 / 0,07
	5.3	Lowering speed ( laden / unladen )			m/s		0,11 / 0,05
	5.7	Gradeability ( laden / unladen )			%		-
	5.8	Max. gradeability ( laden / unladen )			%		5 / 17
	Electric - engine	6.1	Traction motor, power KB 60'			KW	
6.2		Lifting motor, performance 15% ED			KW		2,2
		Steering motor			KW		-
6.3		Battery DIN 43531/35/36 A, B, C,					Yes
6.4		Tension / nominal capacity			V / Ah		24 / 320
6.5		Battery weight (+- 5%)			Kg		256
6.6		Energy consumption acc. To VDI cycle			kWh/h		-
8.4		Sound level at the driver's ear according to DIN 10 053			dB(A)		< 70

Ast includes "a" (manoeuvring space) = 200 mm  
 1) With forks in rest position it is increased by 92 mm



Hourcounter with battery charge check and fault finder.



Lateral battery extraction on request with series of rollers and battery trolley.



**SOME VERSIONS ON REQUEST:**



Version with operator platform.



Electric steering



Version with reel carrier with special dimensions on request.



Metallised/galvanised version and/or version intended to be used in cold stores



Lithium battery



Version with load platform with special dimensions on request