LiTE

TCM

STW16~18SU



PEDESTRIAN STRADDLE STACKER

1.6 - 1.8 TONS

STW - PEDESTRAIN STRADDLE STACKER

The STW16~18SU comes equipped with an intelligent control system and high-quality components, fit into a compact structure. Handle varied pallet sizes efficiently, while maneuvering confidently in confined spaces. Choose from 1.6 or 1.8 tonnes.



STRUCTURE

- Adjustable straddle legs support suitable for different pallet sizes
- Secure component protection with steel battery cover
- Maintenance-friendly component layout simplifies servicing
- Easy-access battery compartment supports quick replacement
- Built-in USB connector supports device charging needs



SAFETY

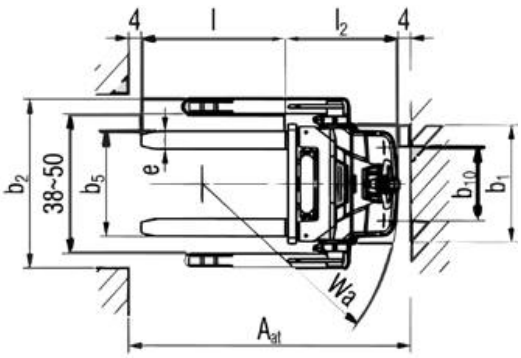
- Electronic proportional lifting enhances stacking stability at any height and speed
- CAN-BUS technology system improves operational monitoring
- Battery indicator with hour meter supports safe usage tracking
- Long tiller design for a safer work distance and reduced force of operation on the truck
- Ergonomic tiller design reduces fatigue during operation

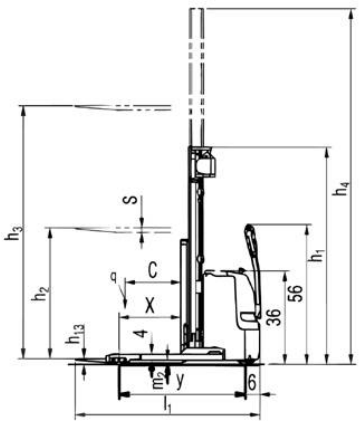
PERFORMANCE

- Powerful AC drive system delivers smooth travel and lifting control
- ZAPI controller ensures precise drive response and system reliability

SPECIFICATIONS

CHARACTERISTICS					
1.1	Manufacturer (abbreviation)			**TCM Pedestrian Straddle Stacker**	
1.2	Manufacturer's model designation			**STW16SU**	**STW18SU**
1.3	Power source:			Battery	Battery
1.4	Operator type: pedestrian, (operator) - standing, - seated			Pedestrian	Pedestrian
1.5	Load capacity	Q	(kg)	1600	1800
1.6	Load centre distance	c	(mm)	600	600
1.7	Load distance, centre of drive axle to fork	x	(mm)	664	647
1.8	Wheelbase	y	(mm)	1378	1378
WEIGHT					
2.1	Truck weight, without load with maximum battery weight		kg	1480	1560
2.2	Axle loading, laden front / rear		kg	827 / 2253	892 / 2378
2.3	Axle loading, unladen front / rear		kg	864 / 616	924 / 636
WHEEL CHASSIS					
3.1	Tyre			Polyurethane	Polyurethane
3.2	Tyre dimensions, front	Øxw	(mm)	Ø 230 × 70	Ø 230 × 70
3.3	Tyre dimensions, rear	Øxw	(mm)	Ø 84 x 70	Ø 84 x 70
3.4	Additional wheels (dimensions)	Øxw	(mm)	Ø 100 x 40	Ø 100 x 40
3.5	Number of wheels, front / rear (x = driven)			1x + 2 / 4	1x + 2 / 4
3.6	Track width (centre of tyres), front	b10	(mm)	500	500
DIMENSIONS					
4.1	Lowered mast height	h1	(mm)	2108	2228
4.2	Free lift height	h2	(mm)	1520	1520
4.3	Lift height	h3	(mm)	4510	4510
4.4	Extended mast height	h4	(mm)	5080	5200
4.5	Height of tiller in drive position min. / max.	h14	(mm)	890 / 1420	890 / 1420
4.6	Height lowered	h13	(mm)	50	50
4.7	Overall length	l1	(mm)	2075	2092
4.8	Length to face of forks	l2	(mm)	925	942
4.9	Overall width	b1	(mm)	816 / 1170 - 1470	816 / 1170 - 1470
4.10	Fork dimensions	s / e / l	(mm)	40 x 100 x 1150	40 x 100 x 1150
4.11	Distance between fork-arms	b5	(mm)	222 - 830	222 - 830
4.12	Ground clearance, centre of wheelbase	m2	(mm)	40	40
4.13	Aisle width for pallets 1000 x 1200 crossways	Ast	(mm)	2437	2446
4.14	Aisle width for pallets 800 x 1200 lengthways	Ast	(mm)	2418	2432
4.15	Turning radius	Wa	(mm)	1550	1550
PERFORMANCE DATA					
5.1	Travel speed, laden / unladen		km/h	5.4 / 6.0	5.4 / 6.0
5.2	Lift speed, laden / unladen		m/s	0.13 / 0.18	0.13 / 0.18
5.3	Lowering speed, laden / unladen		m/s	0.20 / 0.14	0.20 / 0.14
5.4	Maximum gradeability, laden / unladen		%	6 / 12	6 / 10
5.5	Service brake			Electromagnetic	Electromagnetic
ELECTRIC MOTOR					
6.1	Drive motor rating		kW	1.4	1.4
6.2	Lift motor rating		kW	3.2	3.2
6.3	Battery acor. DIN 43531 / 35 / 36 A, B, C, no			3VBS	3VBS
6.4	Battery voltage, nominal capacity (K5)		V/Ah	24 / 270	24 / 270
6.5	Battery weight		kg	230	230
6.6	Energy consumption		kWh / h	1.59	1.70
MISCELLANEOUS					
7.1	Type of drive control			AC	AC
7.2	Level of noise at the ear level of the driver according to EN 12 053		dB (A)	< 70	< 70







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FLITE0009 (08/26) Printed in Singapore.

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