STP16U



POWERED PALLET TRUCKS/
POWERED STACKERS
1.6 - 2.0 TONS

STP - POWERED PALLET TRUCKS/ POWERED STACKERS

Suitable for confined warehouse spaces, the STP16U delivers an efficient pallet handling with its advanced control technology, housed in a compact structure. Achieve operational precision as the STP16U is designed for reliability and flexibility. Choose from 1.6 and 2.0 tonnes.

PERFORMANCE

- High-torque AC drive with ZAPI controller for smooth travel and lifting response
- Premium drive wheels for stable traction
- Electromagnetic braking to control precise stopping
- Proportional hydraulic system enables precise fork positioning and gentle load handling



SAFETY

- Electric Power Steering (EPS) supports steady steering control and operational safety
- PIN-code / RFID access limits unauthorised truck usage
- Robust steel battery cover and reinforced chassis enhance impact protection



COMFORT

- Ergonomic REMA tiller head ensures intuitive and comfortable operation
- Integrated operator platform with protective arms improves driving stability
- Suspension platform system reduces vibration for enhanced ride comfort

STRUCTURE & DURABILITY

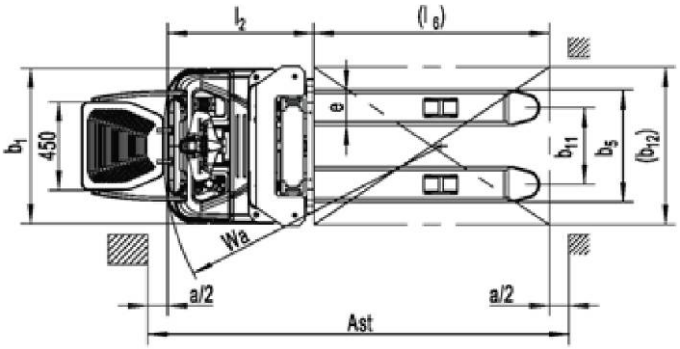
- Strengthened chassis with the 8mm-thick heavy-duty apron
- Compact body design supports tight turning radius
- Four-point structure maintains stability in narrow aisles

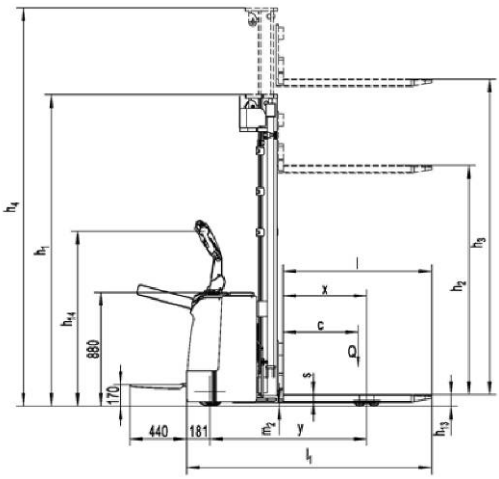
BATTERY & FLEXIBILITY

- Side battery replacement supports fast multi-shift changeover
- Built-in charger option for convenient charging
- Lithium battery solution enables fast charging and maintenance-free operation

SPECIFICATIONS

CHARACTERISTICS				
1.1	Manufacturer (abbreviation)			**TCM Powered Stackers**
1.2	Manufacturer's model designation			**STP16U**
1.3	Power source:			Battery
1.4	Operator type: pedestrian, (operator) - standing, - seated			Pedestrian
1.5	Load capacity	Q	(kg)	1600
1.6	Load centre distance	c	(mm)	600
1.7	Load distance, centre of drive axle to fork	x	(mm)	647
1.8	Wheelbase	y	(mm)	1215
WEIGHT				
2.1	Truck weight, without load with maximum battery weight		kg	1330
2.2	Axle loading, laden front/rear		kg	990 / 1940
2.3	Axle loading, unladen front/rear		kg	890 / 440
WHEEL CHASSIS				
3.1	Tyre			Polyurethane
3.2	Tyre dimensions, front	Øxw	(mm)	Ø 230 x 70
3.3	Tyre dimensions, rear	Øxw	(mm)	Ø 85 x 75
3.4	Additional wheels (dimensions)	Øxw	(mm)	Ø 150 x 54
3.5	Number of wheels, front / rear (x = driven)			1x + 1 / 4
3.6	Track width (centre of tyres), front	b10	(mm)	510
3.7	Track width (centre of tyres), rear	b11	(mm)	390 / 505
DIMENSIONS				
4.1	Lowered mass height	h1	(mm)	2410
4.2	Free lift height	h2	(mm)	1820
4.3	Lift height (up to)	h3	(mm)	5430
4.4	Extended mast height	h4	(mm)	6110
4.5	Height of tiller in drive position min. / max.	h14	(mm)	950 / 1350
4.6	Height lowered	h13	(mm)	90
4.7	Overall length	l1	(mm)	1896
4.8	Length to face of forks	l2	(mm)	746
4.9	Overall width	b1	(mm)	790
4.8	Fork dimensions	s / e / l	(mm)	60 / 180 / 1150
4.9	Distance between fork - arms	b5	(mm)	570 / 685
4.10	Ground clearance, centre of wheelbase	m2	(mm)	28
4.11	Turning radius	Wa	(mm)	1420
PERFORMANCE DATA				
5.1	Travel speed, laden / unladen		km/h	6.0 / 7.0
5.2	Lift speed, laden / unladen		m/s	0.13 / 0.20
5.3	Lowering speed, laden / unladen		m/s	0.28 / 0.23
5.4	Maximum gradeability, laden / unladen		%	6 / 12
5.5	Service brake			Electromagnetic
ELECTRIC MOTOR				
6.1	Drive motor rating		kW	1.4
6.2	Lift motor rating		kW	3.2
6.3	Battery acor. DIN 43531 / 35 / 36 A, B, C, no			3VBS
6.4	Battery voltage, nominal capacity (K5)		V/Ah	24 / 210 - 270
6.5	Battery weight		kg	185
6.6	Energy consumption		kWh/h	1.59
MISCELLANEOUS				
7.1	Type of drive control			AC
7.2	Level of noise at the ear level of the driver according to EN 12 053		dB (A)	<70







Scan for
E-Brochure

Please follow
our LinkedIn

© 2026 by MLAP. All rights reserved.

Note:
These products and specifications are subject to change without notice.
Photos and illustrations may or may not include optional equipment and accessories.
Features and specification may vary depending on markets.
Performance data and dimensions are normal and subject to tolerances.
Produced in ISO certified factory.

FLITE0010 (08/26) Printed in Singapore.

PRESENTED BY :