STX14U



PEDESTRIAN PANTOGRAPH STACKER

1400KG CAPACITY

STX - PEDESTRIAN REACH STACKER

Combining reach-truck versatility with walkie maneuverability, the STX14U is designed for narrow aisles and higher stacking with precision. Among other features, its offset driving configuration enhances operational productivity while supporting safe and efficient handling across multi-shift applications.

PERFORMANCE

- Extendable scissor reach extends into deeper storage positions flexibly.
- Proportional hydraulic system allows accurate pallet placement
- Lifts loads in low-ceiling areas without raising mast height
- Versatile as a counterbalanced truck and a straddle truck
- Lithium battery supports long service life and fast opportunity charging





MANEUVERABILITY

- Side-stance offset driving allows a safer operation with unblocked view
- Pinwheel turning capability for easy operation in confined spaces
- Electric Power Steering delivers smooth, low-effort steering control
- Automatic speed reduction improves turning stability

SERVICEABILITY & SMART SYSTEMS

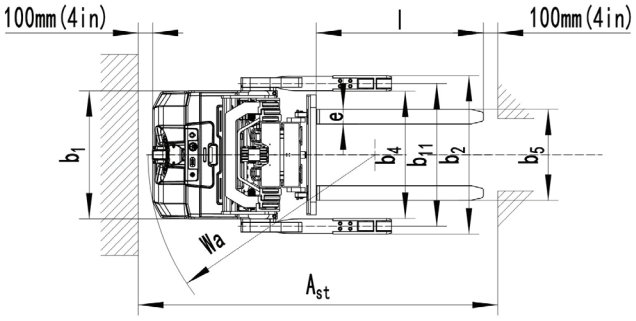
- CAN-Bus system enables real-time diagnostics monitoring
- External programming port supports quick fault servicing
- Accessible component layout simplifies maintenance access

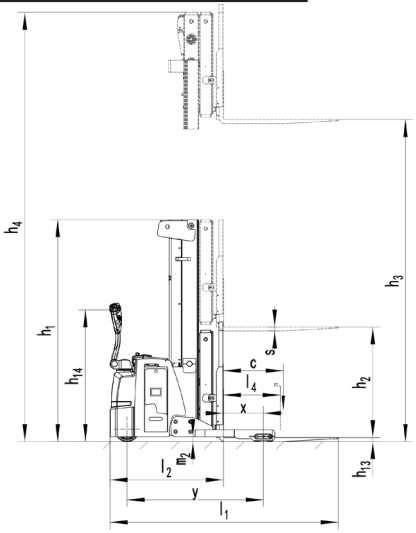
STRUCTURE

- Innovative mast channel design to enhance strength and stability of the truck
- Adjustable support legs and lift mast for space and height confined environments
- Tiller head with ergonomic switches supports intuitive and precise truck operation
- Integrated emergency and safety buttons enhance operator protection

SPECIFICATIONS

CHARACTERISTICS				
1.1	Manufacturer (abbreviation)			**TCM Pedestrian Reach Fork Stacker**
1.2	Manufacturer's model designation			**STX14U**
1.3	Power source:			Battery
1.4	Operator type: pedestrian, (operator) - standing, - seated			Pedestrian
1.5	Load capacity	Q	(kg)	1400
1.6	Load centre distance	c	(mm)	600
1.7	Load distance, centre of drive axle to fork	x	(mm)	376
1.8	Wheelbase	y	(mm)	1365
WEIGHT				
2.1	Service weight		kg	2290
2.2	Axle loading, fork advanced, unladen front/rear		kg	1335 / 955
2.3	Axle loading, fork retracted, unladen front/rear		kg	1465 / 825
2.4	Axle loading, fork advanced, laden front/rear		kg	420 / 3270
2.5	Axle loading, fork retracted, laden front/rear		kg	1155 / 2535
WHEEL CHASSIS				
3.1	Tyre			Polyurethane
3.2	Tyre dimensions, front	Øxw	(mm)	Ø 250 × 82
3.3	Tyre dimensions, rear	Øxw	(mm)	Ø 102 × 70 (Ø 230 × 80)
3.4	Number of wheels, front / rear (x = driven)			1x + 4 (1x + 2)
3.5	Track width (centre of tyres), rear	b11	(mm)	970 / 1070 / 1170 / 1270 / 1370
DIMENSIONS				
4.1	Tilt of mast / fork carriage forward / backward			3 / 5
4.2	Lowered mast height	h1	(mm)	2206
4.3	Free lift height	h2	(mm)	1090
4.4	Lift height	h3 + h13	(mm)	4800
4.5	Extended mast height	h4	(mm)	5870
4.6	Height of tiller in drive position min. / max	h14	(mm)	965 / 1305
4.7	Height, lowered	h13	(mm)	45
4.8	Overall height	l1	(mm)	2309
4.9	Length to face of forks	l2	(mm)	1159
4.10	Overall width	b1 / b2	(mm)	870 / (1080 / 1180 / 1280 / 1380 / 1480 - Ø 102 × 70) (1088 / 1188 / 1288 / 1388 / 1488 - Ø 230 × 80)
4.11	Fork dimensions	s / e / l	(mm)	40 x 100 x 1150
4.12	Distance between forks - arms	b5	(mm)	220 - 760
4.13	Distance between wheel arms	b4	(mm)	860 / 960 / 1060 / 1160 / 1260 - Ø 102 × 70 (852 / 952 / 1052 / 11152 / 1252 - Ø 230 × 80)
4.14	Reach distance	l4	(mm)	575
4.15	Ground clearance, centre of wheelbase	m2	(mm)	50
4.16	Aisle width for pallets 1000 x 1200 crossways	Ast	(mm)	2616
4.17	Aisle width for pallets 800 x 1200 lengthways	Ast	(mm)	2662
4.18	Turning radius	Wa	(mm)	1595
PERFORMANCE DATA				
5.1	Travel speed, laden / unladen		km/h	5.5 / 5.5
5.2	Lift speed, laden / unladen		mm/s	130 / 20
5.3	Lowering speed, laden / unladen		mm/s	250 / 230
5.4	Maximum gradeability, laden / unladen		%	8 / 12
5.5	Service brake			Electromagnetic
ELECTRIC MOTOR				
6.1	Drive motor rating		kW	2.6
6.2	Lift motor rating		kW	4.5
6.3	Battery voltage, nominal capacity K5		V/Ah	24V270Ah
6.4	Battery weight		kg	295
6.5	Energy consumption		kWh/h	1.8
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)	<75







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