PSL12E(I)-Q2



TCM LiTE Range, optimal specification for day to day operations, without compromising engineering excellence, long-term performance and outstanding reliability.

EASY TO USE, SIMPLE TO MAINTAIN.

PSL12E-Q2 & PSL12EI-Q2 with **compact, lightweight** design, without or with initial lift for transporting two pallets simultaneously, and 1200 kg load capacity, are configured for light-duty applications and **agility in narrow aisles**, improving productivity and reducing operator fatigue. The steel chassis cover provides robust protection against impact, lowering maintenance costs and extending truck life.

The high capacity, **fast charging** 24V/60Ah **Li-ION battery** is long-lasting with low operating costs and is maintenance free. Includes in-built **Battery Management System** and integrated charger for charging anywhere.

Ergonomic, multi-functional tiller head with creep button enhances operator comfort and control, especially in tight spaces. **Automatic speed reduction** in curves promotes safer handling of unstable loads, reducing the risk of accidents and damage. **Duplex mast** configuration ideal for mezzanine applications and limited lift height requirements, confirms a compact and effective stacking solution.

PIN code access restricts use to authorised operators and RFID access ensures ultimate safety and control of fleet. Conveniently placed external diagnostics port speeds up servicing and fault resolution.



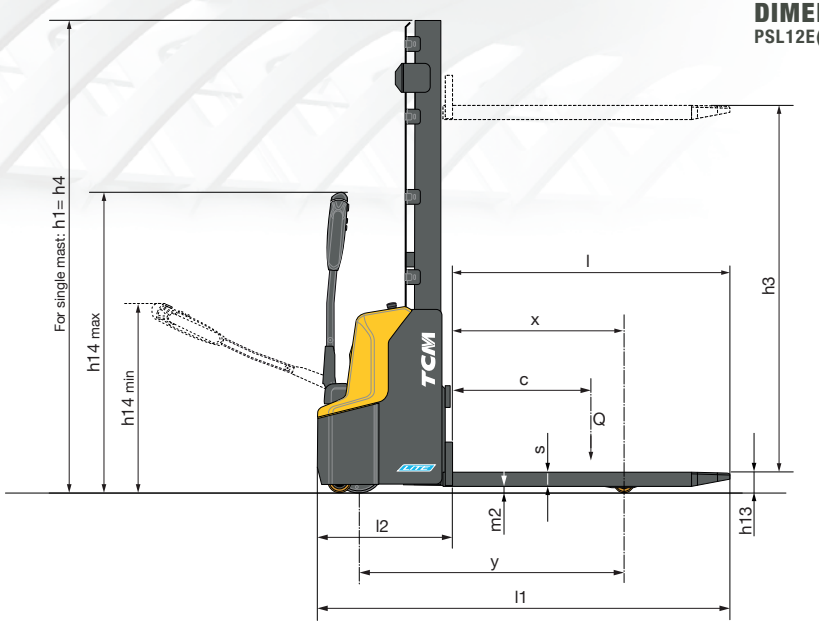
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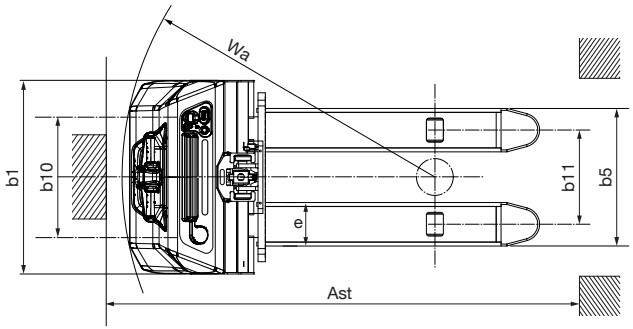
STANDARD SPECIFICATIONS PRELIMINARY

CHARACTERISTICS					
1.1	Manufacturer			TCM	
1.2	Manufacturer's model designation			PSL12E-Q2	PSL12EI-Q2
1.3	Power source			Battery	Battery
1.4	Operator type			Pedestrian	Pedestrian
1.5	Load capacity	Q	kg	1200	1200
1.6	Load center distance	c	(mm)	600	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	710	763
1.9	Wheelbase	y	(mm)	1097	1192
WEIGHT					
2.1b	Truck weight without load, with maximum battery weight		kg	620	710
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	520 / 1300	670 / 1240
2.3	Axle loadings without nominal load & maximum battery weight, drive / load side		kg	440 / 180	490 / 220
WHEELS, DRIVE TRAIN					
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			P / P	P / P
3.2	Tyre dimensions, drive side		(mm)	210 x 75	210 x 75
3.3	Tyre dimensions, load side	ø	(mm)	84 x 93	84 x 93
3.4	Castor wheel dimensions (diameter x width)		(mm)	100 x 50	100 x 50
3.5	Number of wheels, load / drive side (x = driven)			1x +1/2	1x +1/2
3.6	Track width (center of tyres), drive side	b10	(mm)	550	550
3.7	Track width (center of tyres), load side	b11	(mm)	400 / 515	400 / 515
DIMENSIONS					
4.2a	Height with mast lowered	h1	(mm)	see table	see table
4.3	Free lift	h2	(mm)	see table	see table
4.4	Lift height (stroke)	h3	(mm)	see table	see table
4.5	Height with mast extended	h4	(mm)	see table	see table
4.6	Initial lift (stroke)	h5	(mm)	-	120
4.9	Height of tiller arm / steering console (min./max.)	h14	(mm)	710 / 1150	710 / 1150
4.15	Fork height, fully lowered	h13	(mm)	90	90
4.19	Overall length	l1	(mm)	1710	1752
4.20	Length to fork face	l2	(mm)	560	602
4.21	Overall width	b1	(mm)	800	800
4.22	Fork dimensions (thickness, width, length)	s /e / l	(mm)	60 / 180 / 1150	60 / 180 / 1150
4.25	Outside width over forks (minimum / maximum)	b5	(mm)	570 / 685	570 / 685
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	24	16
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	(mm)	2167	2241
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	(mm)	2133	2188
4.35	Turning radius	Wa	(mm)	1300	1395
PERFORMANCE					
5.1	Travel speed, with / without load		km / h	4.2 / 4.5	4.2 / 4.5
5.2	Lifting speed, with / without load		m / s	0.11 / 0.14	0.11 / 0.14
5.3	Lowering speed, with / without load		m / s	0.13 / 0.11	0.13 / 0.11
5.8	Maximum gradeability with / without load		%	5 / 10	5 / 10
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electromagnetic	Electromagnetic
ELECTRIC MOTORS					
6.1	Drive motor capacity (60 min. short duty)		kW	0.65	0.65
6.2	Lift motor output at 15% duty factor		kW	2.2	2.2
6.4	Battery voltage/capacity at 5-hour discharge		V / Ah	24 / 60	24 / 60
6.5	Battery weight		kg	17	17
6.6b	Energy consumption according to VDI60 cycle		kWh / h	0.6	0.66
MISCELLANEOUS					
8.1	Type of drive control			DC	DC
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, in work LpAZ		dB (A)	<70	<70

OPTIONS	
Mast heights: 1600mm, 3200mm, and 3600mm - to suit different lift requirements	**AGM sealed lead acid, 24V / 85Ah battery** with 12A internal charger

DIMENSIONS
PSL12E(I)-Q2





MAST SPECIFICATION PSL12E-Q2					
MAST TYPE	Lift + fork height (mm)	Lift height (mm)	Lowered mast height (mm)	Free lift height (mm)	Extended mast height (mm)
	h3 + h13	h3	h1	h2	h4
SINGLE STAGE	2000	1914	2330	1914	2330
TWO STAGE	2600	2514	1780	-	3037
	2900	2814	1930	-	3337
	3200	3114	2080	-	3637
	3600	3514	2280	-	4037

MAST SPECIFICATION PSL12EI-Q2					
MAST TYPE	Lift + fork height (mm)	Lift height (mm)	Lowered mast height (mm)	Free lift height (mm)	Extended mast height (mm)
	h3 + h13	h3	h1	h2	h4
SINGLE STAGE	2000	1914	2370	1914	2370
TWO STAGE	2600	2514	1820	-	3077
	2900	2814	1970	-	3377
	3200	3114	2120	-	3677
	3600	3514	2320	-	4077

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