



PPL20-Q2

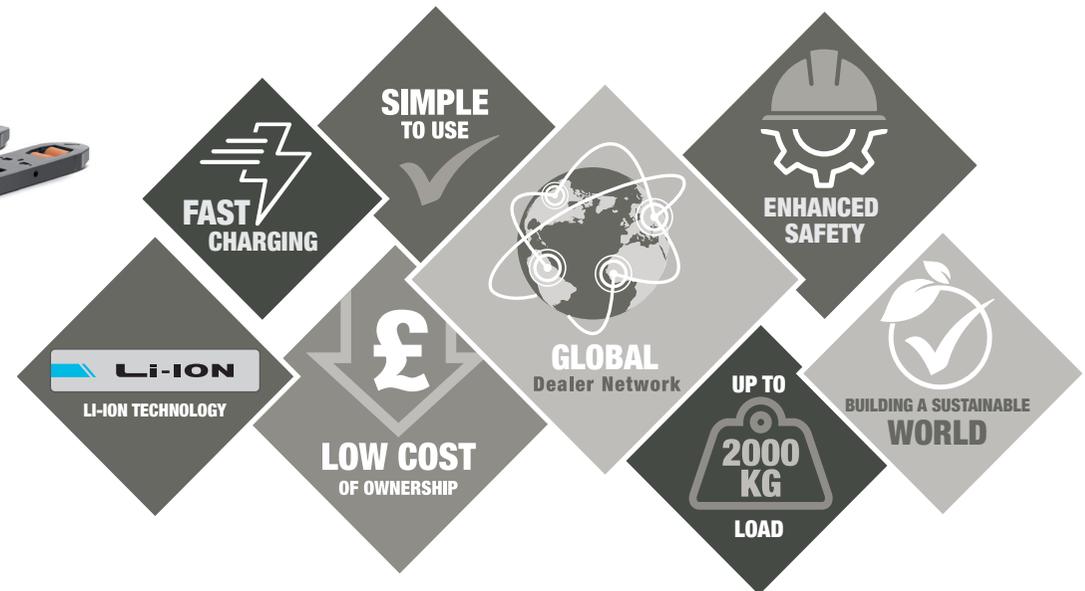
TCM Lite Range, optimal specification for day to day operations, without compromising engineering excellence, long-term performance and outstanding reliability.

EASY TO USE, SIMPLE TO MAINTAIN.

TCM PPL20-Q2 with robust short chassis and lift system with pull-rod structure, is engineered for **stability, strength and long-term reliability**. Electric power steering and **multi-functional tiller head** improves control and reduces operator fatigue, especially during longer travel distances. Foldable driver platform with side bars offers flexibility for **pedestrian or ride-on use**, for added comfort and safety during extended shifts.

The high capacity, high power 24V **Li-ION battery** is long-lasting with low operating costs and minimal upkeep, reducing downtime. Includes in-built **Battery Management System** and integrated charger for charging anywhere. Built-in USB port adds convenience to charge necessary devices including barcode scanners and mobile phones.

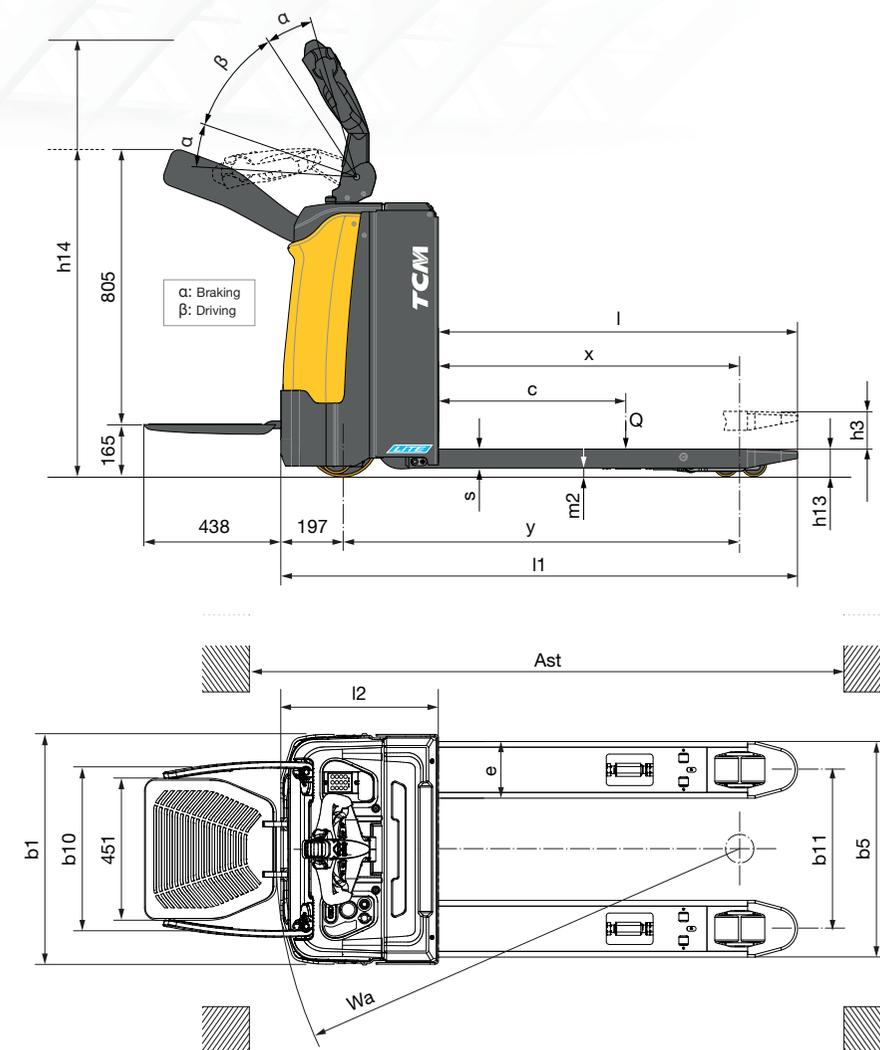
PIN code and RFID access restrict use to authorised operators, ensuring ultimate safety and control of fleet. Conveniently placed external diagnostics port speeds up servicing and fault resolution. Optional fork dimensions to suit other applications.



STANDARD SPECIFICATIONS PRELIMINARY

CHARACTERISTICS				
1.1	Manufacturer			TCM
1.2	Manufacturer's model designation			PPL20-Q2
1.3	Power source			Battery
1.4	Operator type			Pedestrian / stand-on
1.5	Load capacity	Q	kg	2000
1.6	Load center distance	c	(mm)	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	995
1.9	Wheelbase	y	(mm)	1272
WEIGHT				
2.1b	Truck weight without load, with maximum battery weight		kg	550
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	730 / 1820
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	420 / 130
WHEELS, DRIVE TRAIN				
3.1	Tyres: PT = Power Thane, Vul = Vulkollan, P = Polyurethane, N = Nylon, R = Rubber drive / load side			P / P
3.2	Tyre dimensions, drive side		(mm)	230 x 70
3.3	Tyre dimensions, load side		(mm)	82 x 82
3.4	Castor wheel dimensions (diameter x width)		(mm)	100 x 40
3.5	Number of wheels, load / drive side (x = driven)			1x + 2 / 2 (4)
3.6	Track width (center of tyres), drive side	b10	(mm)	520
3.7	Track width (center of tyres), load side	b11	(mm)	360 / 505
DIMENSIONS				
4.4	Lift height	h3	(mm)	120
4.9	Height of tiller arm / steering console (min./max.)	h14	(mm)	1070 / 1260
4.15	Fork height, fully lowered	h13	(mm)	85
4.19	Overall length	l1	(mm)	1655
4.2	Length to fork face	l2	(mm)	505
4.21	Overall width	b1	(mm)	730
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	60 / 180 / 1150
4.25	Outside width over forks (minimum / maximum)	b5	(mm)	540 / 685
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	25
4.34c	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise, platform up/down	Ast	(mm)	2152 / 2231
4.35	Turning radius	Wa	(mm)	1488
PERFORMANCE				
5.1	Travel speed, with / without load		km / h	7 / 8
5.2	Lifting speed, with / without load		m / s	0.047 / 0.064
5.3	Lowering speed, with / without load		m / s	0.060 / 0.059
5.8	Maximum gradeability with / without load		%	8 / 15
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Regenerative
ELECTRIC MOTORS				
6.1	Drive motor capacity (60 min. short duty)		kW	1.4
6.2	Lift motor output at 15% duty factor		kW	2.2
6.3	Battery to DIN			no
6.4	Battery voltage/capacity at 5-hour discharge		V / Ah	24 / 150
6.5	Battery weight		kg	100
6.6a	Energy consumption according to EN16796		km / h	0.19
MISCELLANEOUS				
8.1	Type of drive control			AC
10.7.1	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

DIMENSIONS PPL20-Q2



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OPTIONS

Fork size 685 x 1150 mm - for different load sizes