



PWL15-20E-Q1

TCM Lite Range, streamlined for greater efficiencies and a more sustainable world, without compromising design and engineering excellence.

**Easy to use, simple to maintain.
NO FUSS, NO WASTE.**

TCM PWL15-20E-Q1 with an **all-metal outer cover** and integrated rocker arm, is designed for durability, stability and the strength to withstand impacts from tight aisle working. Small dimensions, efficient, regenerative braking systems and a small turning radius are ideal for working in tight spaces with **extreme manoeuvrability and control**. The tapered fork tips combined with pallet entry rollers, ensure easy and accurate pallet entry.

The high capacity, high power **Li-ION battery** is long-lasting reducing downtime, with swift 'plug and go' charging. A full battery exchange takes only 10 seconds to complete and a spare battery can be charged externally in only 3 hours.



0114 243 3332



sales@camforklifts.co.uk



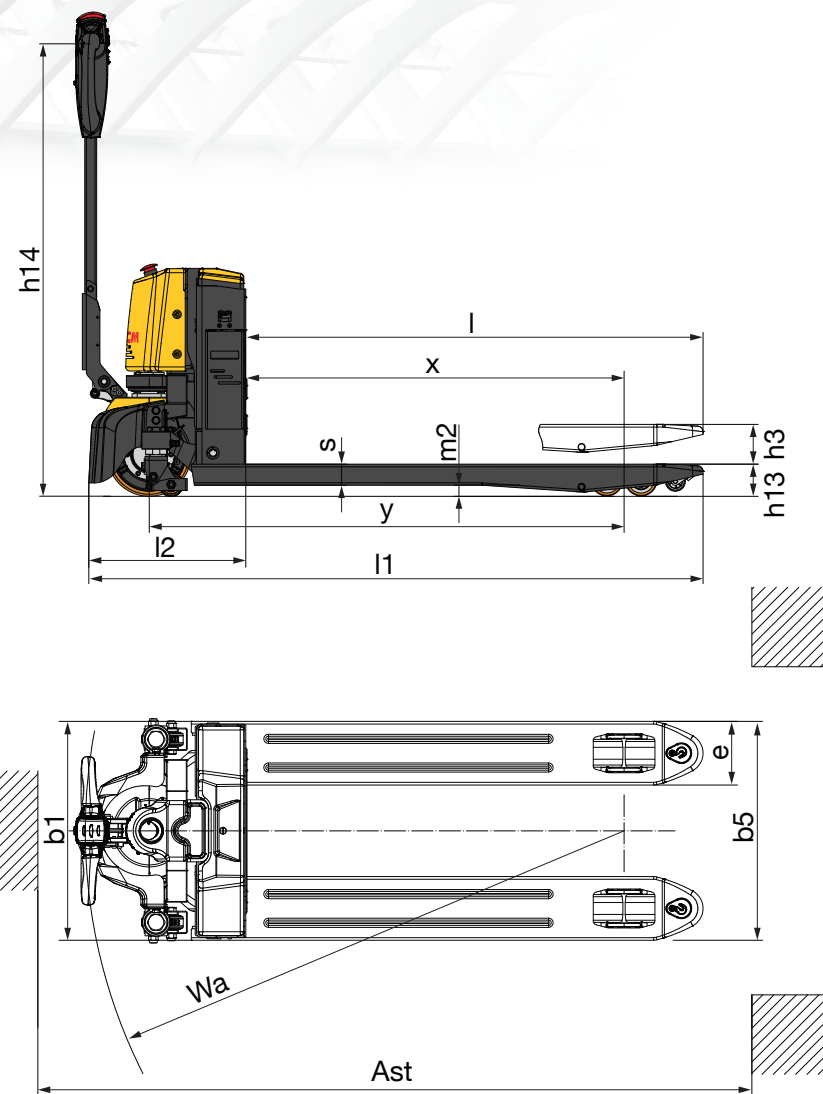
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STANDARD SPECIFICATIONS PRELIMINARY

CHARACTERISTICS				TCM	
1.1	Manufacturer			PWL15E-Q1	PWL20E-Q1
1.2	Manufacturer's model designation			Battery	Battery
1.3	Power source			Pedestrian	Pedestrian
1.4	Operator type				
1.5	Load capacity	Q	kg	1500	2000
1.6	Load center distance	c	(mm)	600	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	950 / 1020	950 / 1020
1.9	Wheelbase	y	(mm)	1195 / 1265	1195 / 1265
WEIGHT					
2.1b	Truck weight without load, with maximum battery weight		kg	135	140
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	665 / 970	870 / 1270
2.3	Axle loadings without load & with maximum battery weight, drive / load side		kg	95 / 40	98 / 42
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)	210 x 70	210 x 70
3.3	Tyre dimensions, load side		(mm)	80 x 70 (Tandem) 80 x 93 (Single)	80 x 70 (Tandem) 80 x 93 (Single)
3.4	Castor wheel dimensions (diameter x width)		(mm)	60 x 35 (Option)	60 x 35 (Option)
3.5	Number of wheels, load / drive side (x = driven)			1x + 2 / 4	1x + 2 / 4
DIMENSIONS					
4.4	Lift height	h3	(mm)	110	110
4.9	Height of tiller arm / steering console (min./max.)	h14	(mm)	650 / 1135	650 / 1135
4.15	Fork height, fully lowered	h13	(mm)	80	80
4.19	Overall length	l1	(mm)	1545	1545
4.2	Length to fork face	l2	(mm)	395	395
4.21	Overall width	b1	(mm)	550	550
4.22	Fork dimensions (thickness, width, length)	s / e / l	(mm)	70 / 160 / 1150	70 / 160 / 1150
4.25	Outside width over forks (minimum / maximum)	b5	(mm)	550	550
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	27	27
4.33a	Working aisle width (Ast) with 1000 x 1200 mm pallets, load crosswise	Ast	(mm)	2150	2150
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	(mm)	2015	2015
4.35	Turning radius	Wa	(mm)	1345	1345
PERFORMANCE					
5.1	Travel speed, with / without load		km / h	4.3 / 4.5	4.6 / 4.8
5.2	Lifting speed, with / without load		m / s	0.025 / 0.030	0.020 / 0.025
5.3	Lowering speed, with / without load		m / s	0.035/0.025	0.035/0.025
5.8	Maximum gradeability with / without load		%	5 / 20	6 / 20
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electric	Electric
ELECTRIC MOTORS					
6.1	Drive motor capacity (60 min. short duty)		kW	0.75	1
6.2	Lift motor output at 15% duty factor		kW	0.8	0.8
6.4	Battery voltage/capacity at 5-hour discharge		V / Ah	24 / 25	48 / 20
6.5	Battery weight		kg	9	10
MISCELLANEOUS					
8.1	Type of drive control			Stepless	Stepless
10.7	Level of noise at the ear level of the driver according to EN 12 053:2001 and EN ISO 4871, drive/lift/idle LpAZ		dB (A)	70	70
10.7.2	Whole-body vibration (EN 13 059:2002)			Refer to instruction manual	
10.7.3	Hand-arm vibration (EN 13 059:2002)			Refer to instruction manual	

OPTIONS	
24V/30Ah, 50Ah, 60Ah Lithium-Ion battery	- additional battery capacity to meet application needs (PWL15E-Q1)
48V/25Ah, 30Ah Lithium-Ion battery	- additional battery capacity to meet application needs (PWL20E-Q1)
Side castor wheels	- for improved stability
PIN CODE password protection with BDI and hour meter	- for additional security and live status (PWL20-Q1)
Scale	- for easy and quick measuring of the load weight (PWL20-Q1)
Printer on scale	- documenting the individual weighings for ultimate accuracy (PWL20-Q1)

DIMENSIONS PWL15-20E-Q1



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