Pedestrian Powered, Hand Pallet Truck

PWL16-20-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 PWL16-20-Q2 with **compact** design, **robust** steel chassis frame, 1600 kg and 2000 kg capacity and small turning radius, is configured for maximum productivity in tight spaces: lorries; elevators; and narrow aisles, with excellent durability reducing downtime and extending service life.

Pallet entry rollers speeds up pallet handling and reduces strain on the operator, improving throughput. 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.

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 **automatic speed reduction** in curves and optional load backrest supports safer handling of unstable loads, reducing the risk of damage and injury.



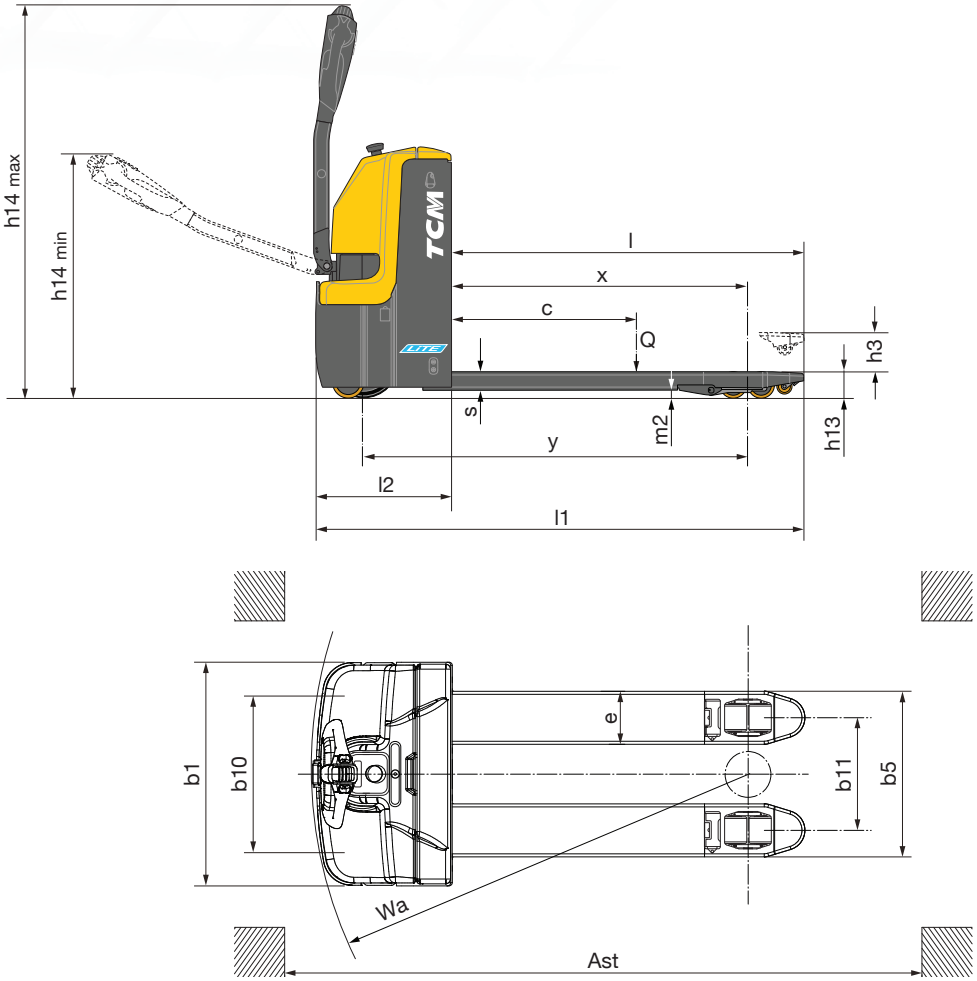
PWL16-20-Q2

STANDARD SPECIFICATIONS PRELIMINARY

CHARACTERISTICS					
1.1	Manufacturer			TCM	
1.2	Manufacturer's model designation			**PWL16-Q2**	**PWL20-Q2**
1.3	Power source			Battery	Battery
1.4	Operator type			Pedestrian	Pedestrian
1.5	Load capacity	Q	kg	1600	2000
1.6	Load center distance	c	(mm)	600	600
1.8	Load wheel axle to fork face (forks lowered)	x	(mm)	966	966
1.9	Wheelbase	y	(mm)	1258	1336
WEIGHT					
2.1b	Truck weight without load, with maximum battery weight		kg	362	411
2.2	Axle loadings with nominal load & maximum battery weight, drive / load side		kg	993 / 969	674/1237
2.3	Axle loadings without load & maximum battery weight, drive / load side		kg	295 / 62	333 / 78
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)	230 x 70	230 x 70
3.3	Tyre dimensions, load side		(mm)	84x84 single 82x110 tandem	84x84 single 82x110 tandem
3.4	Castor wheel dimensions (diameter x width)		(mm)	100 x 40	100 x 40
3.5	Number of wheels, load / drive side (x = driven)			1x +2/4	1x +2/4
3.6	Track width (center of tyres), drive side	b10	(mm)	510	510
3.7	Track width (center of tyres), load side	b11	(mm)	367 / 512	367 / 512
DIMENSIONS					
4.4	Lift height	h3	(mm)	120	120
4.9	Height of tiller arm / steering console (min./max.)	h14	(mm)	740 / 1190	740 / 1190
4.15	Fork height, fully lowered	h13	(mm)	85	85
4.19	Overall length	l1	(mm)	1590	1668
4.2	Length to fork face	l2	(mm)	440	518
4.21	Overall width	b1	(mm)	729	729
4.22	Fork dimensions (thickness, width, length)	s /e / l	(mm)	60 / 173 / 1150	60 / 173 / 1150
4.25	Outside width over forks (minimum / maximum)	b5	(mm)	540 / 685	540 / 685
4.32	Ground clearance at center of wheelbase, (forks lowered)	m2	(mm)	25	25
4.34a	Working aisle width (Ast) with 800 x 1200 mm pallets, load lengthwise	Ast	(mm)	2068	2156
4.35	Turning radius	Wa	(mm)	1422	1500
PERFORMANCE					
5.1	Travel speed, with / without load		km / h	5.7 / 6.0	5.0 / 6.0
5.2	Lifting speed, with / without load		m / s	0.025 / 0.035	0.025 / 0.033
5.3	Lowering speed, with / without load		m / s	0.035 / 0.30	0.053 / 0.036
5.8	Maximum gradeability with / without load		%	10 / 20	12 / 20
5.10	Service brakes (mechanical / hydraulic / electric / pneumatic)			Electromagnetic	Electromagnetic
ELECTRIC MOTORS					
6.1	Drive motor capacity (60 min. short duty)		kW	1.3	1.7
6.2	Lift motor output at 15% duty factor		kW	0.8	0.8
6.3	Battery to DIN			no	no
6.4	Battery voltage/capacity at 5-hour discharge		V / Ah	24 / 100	24 / 100 (150)
6.5	Battery weight		kg	34.5	34.5 (59)
6.6a	Energy consumption according to EN16796		kWh / h	0.187	0.319
MISCELLANEOUS					
8.1	Type of drive control			AC	AC
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
Load backrest - for safer handling of unstable loads
Automatic speed reduction in curves - reducing risk of damage and injury
Fork size 685mm x 1150mm - for different load sizes
UK specific charger plug

DIMENSIONS
PWL16-20-Q2



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