# PPL20-Q2

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

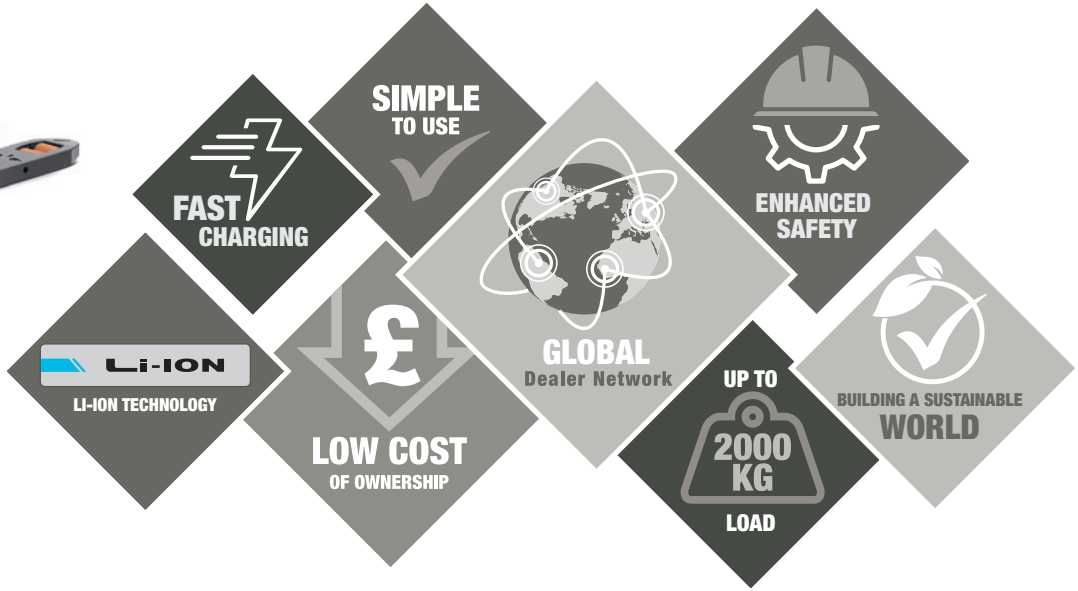
**EASY TO USE, SIMPLE TO MAINTAIN.**




**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.



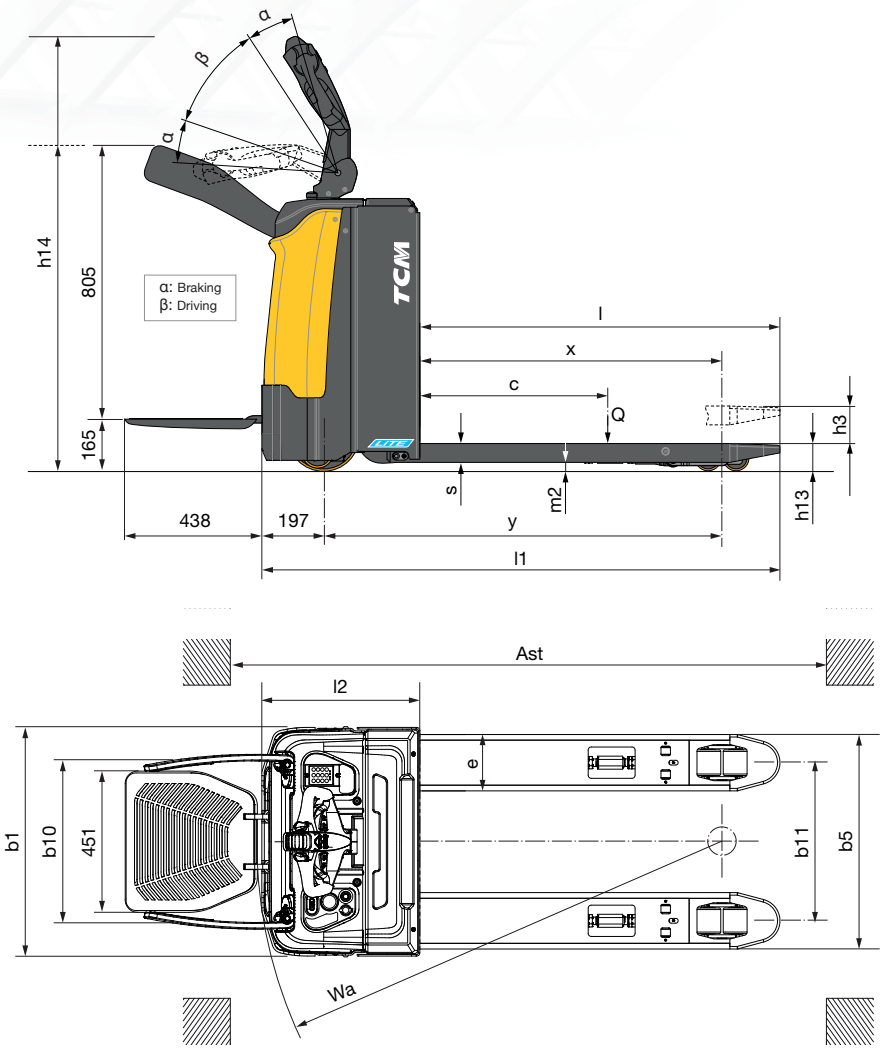
# PPL20-Q2

## 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 x82 |
| 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 |

| **OPTIONS** |
|---|
| **Fork size 685 x 1150 mm** - for different load sizes |

## DIMENSIONS
PPL20-Q2




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