# FT 20P FT 20PS
# FT 25P FT 30P

## ELECTRIC PALLET TRUCK HIGH PERFORMANCE
## RIDER SERIES 2.0/2.5/3.0t

- Performance Optimised For Heavy Duty In Long Distances
- Driving Speed Up To 12km/h
- Option Lithium-ion Batteries (L)

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# ELECTRIC PALLET TRUCK 2.0 t

# FT20 P FT 20PS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Distinguishing mark** | | | | | | | |
| 1.1 | Manufacturer | | | F/F-IL | | F/F-IL | |
| 1.2 | Model designation | | | FT20 P | | FT 20PS | |
| 1.3 | Drive unit | | | Electrics | | Electrics | |
| 1.4 | Operator type | | | standing | | standing | |
| 1.5 | rated capacity | Q | kg | 2000 | | 2000 | |
| 1.6 | Load center distance | c | mm | 600 | | 600 | |
| 1.8 | Load distance | x | mm | 916 / 982 | 937 / 1003 | 916 / 982 | 937 / 1003 |
| 1.9 | Wheelbase | y | mm | 1418 | 1438 | 1418 | 1438 |
| **Weight** | | | | | | | |
| 2.1 | Service weight （include battery） | | kg | 670 | | 690 | |
| 2.2 | Axle loading, laden driving side/loading side | | kg | 1066 / 1604 | | 1076 / 1614 | |
| 2.3 | Axle loading, unladen driving side/loading side | | kg | 546 / 124 | | 556 / 134 | |
| **Types,Chassis** | | | | | | | |
| 3.1 | Tyre type driving wheels/loading wheels | | | Polyurethane / Polyurethane | | Polyurethane / Polyurethane | |
| 3.2 | Tyre size, driving wheels（diameter×width） | | mm | Φ230x75 | | Φ230x75 | |
| 3.3 | Tyre size, loading wheels（diameter×width） | | mm | Φ85x70 / Φ83x115 | | Φ85x70 / Φ83x115 | |
| 3.4 | Tyre size, caster wheels（diameter×width） | | mm | Φ130x60 | | Φ130x60 | |
| 3.5 | Wheels, number driving，caster/loading (x=drive wheels) | | mm | 1 x +2 / 4 / 1 x + 2 / 2 | | 1 x +2 / 4 / 1 x + 2 / 2 | |
| 3.6 | Track width, front,driving side | $b_{10}$ | mm | 510 | | 510 | |
| 3.7 | Track width,rear,loading side | $b_{11}$ | mm | 370 / 430 / 515 | | 370 / 430 / 515 | |
| **Dimensions** | | | | | | | |
| 4.4 | Lift height | $h_3$ | mm | 125 | | 125 | |
| 4.9 | Height drawbar in driving position min./max. | $h_{14}$ | mm | 1150 / 1470 | | 1150 / 1470 | |
| 4.15 | Lowered height | $h_{13}$ | mm | 85 | | 85 | |
| 4.19 | Overall length | $l_1$ | mm | 1860 | 1930 | 1860 | 1930 |
| 4.20 | Length to face of forks | $l_2$ | mm | 710 | | 710 | |
| 4.21 | Overall width | $b_1$/ $b_2$ | mm | 730 | | 730 | |
| 4.22 | Fork dimensions | s/ e/ l | mm | 55x170x1150 | 55x170x1220 | 55x170x1150 | 55x170x1220 |
| 4.25 | Outside width of the forks | $b_5$ | mm | 540 / 600 / 685 | | 540 / 600 / 685 | |
| 4.32 | Ground clearance, center of wheelbase | $m_2$ | mm | 30 | | 30 | |
| 4.34.1 | Aisle width for pallets 1000 × 1200 crossways | Ast | mm | 2522 | | 2522 | |
| 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast | mm | 2370 | | 2370 | |
| 4.35 | Turning radius | Wa | mm | 1700 | | 1700 | |
| **Performance data** | | | | | | | |
| 5.1 | Travel speed, laden/ unladen | km/ h | km/h | 5.5 / 6 | | 9.0 / 12.0 | |
| 5.2 | Lifting speed, laden/ unladen | | m/ s | 0.023 / 0.031 | | 0.023 / 0.031 | |
| 5.3 | Lowering speed, laden/ unladen | | m/ s | 0.043 / 0.032 | | 0.043 / 0.032 | |
| 5.8 | Max. gradeability, laden/unladen | | % | 8 / 16 | | 8 / 16 | |
| 5.10 | Service brake type | | | Electromagnetic | | Electromagnetic | |
| **Electric-engine** | | | | | | | |
| 6.1 | Drive motor rating S2 60 min | | kW | 1.5 | | 2.5 | |
| 6.2 | Lift motor rating at S3 15% | | kW | 1 | | 1 | |
| 6.3 | The maximum allowed size battery | | mm | 660 x 205 x 660 | | 660 x 205 x 660 | |
| 6.4 | Battery voltage/nominal capacity K5 | | V/ Ah | 24 / 210 | | 24 / 210 | |
| 6.5 | Battery weight | | kg | 190 | | 190 | |
| **Addition data** | | | | | | | |
| 8.1 | Type of drive control | | | AC | | AC | |
| 10.5 | Steering type | | | Mechanical/Electronic | | Electronic | |
| 10.7 | Sound pressure level at the driver's ear | | dB (A) | 74 | | 74 | |

If there are improvements of technical parameters or configurations, no further notice will be given.
The diagram shown may contain non-standard configurations.

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# ELECTRIC PALLET TRCUK 2.5/3.0 t

# FT 25 P FT 30P

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Distinguishing mark** | | | | | | | |
| 1.1 | Manufacturer | | | F/F-IL | | F/F-IL | |
| 1.2 | Model designation | | | FT25 P | | FT 30 P | |
| 1.3 | Drive unit | | | Electrics | | Electrics | |
| 1.4 | Operator type | | | standing | | standing | |
| 1.5 | rated capacity | Q | kg | 2500 | | 3000 | |
| 1.6 | Load center distance | c | mm | 600 | | 600 | |
| 1.8 | Load distance | x | mm | 916 / 982 | 937 / 1003 | 916 / 982 | 937 / 1003 |
| 1.9 | Wheelbase | y | mm | 1418 | 1438 | 1418 | 1438 |
| **Weight** | | | | | | | |
| 2.1 | Service weight （include battery） | | kg | 690 | | 690 | |
| 2.2 | Axle loading, laden driving side/loading side | | kg | 1176 / 2014 | | 1356 / 2334 | |
| 2.3 | Axle loading, unladen driving side/loading side | | kg | 556 / 134 | | 556 / 134 | |
| **Types,Chassis** | | | | | | | |
| 3.1 | Tyre type driving wheels/loading wheels | | | Polyurethane / Polyurethane | | Polyurethane / Polyurethane | |
| 3.2 | Tyre size, driving wheels（diameter×width） | | mm | Φ230x75 | | Φ230x75 | |
| 3.3 | Tyre size, loading wheels（diameter×width） | | mm | Φ85x70 / Φ83x115 | | Φ85x70 / Φ83x115 | |
| 3.4 | Tyre size, caster wheels（diameter×width） | | mm | Φ130x60 | | Φ130x60 | |
| 3.5 | Wheels, number driving，caster/loading (x=drive wheels) | | mm | 1 x +2 / 4 / 1 x + 2 / 2 | | 1 x +2 / 4 / 1 x + 2 / 2 | |
| 3.6 | Track width, front,driving side | $b_{10}$ | mm | 510 | | 510 | |
| 3.7 | Track width,rear,loading side | $b_{11}$ | mm | 370 / 430 / 515 | | 370 / 430 / 515 | |
| **Dimensions** | | | | | | | |
| 4.4 | Lift height | $h_3$ | mm | 125 | | 125 | |
| 4.9 | Height drawbar in driving position min./max. | $h_{14}$ | mm | 1150 / 1470 | | 1150 / 1470 | |
| 4.15 | Lowered height | $h_{13}$ | mm | 85 | | 85 | |
| 4.19 | Overall length | $l_1$ | mm | 1860 | 1930 | 1860 | 1930 |
| 4.20 | Length to face of forks | $l_2$ | mm | 710 | | 710 | |
| 4.21 | Overall width | $b_1$/ $b_2$ | mm | 730 | | 730 | |
| 4.22 | Fork dimensions | s/ e/ l | mm | 55x170x1150 | 55x170x1220 | 55x170x1150 | 55x170x1220 |
| 4.25 | Outside width of the forks | $b_5$ | mm | 540 / 600 / 685 | | 540 / 600 / 685 | |
| 4.32 | Ground clearance, center of wheelbase | $m_2$ | mm | 30 | | 30 | |
| 4.34.1 | Aisle width for pallets 1000 × 1200 crossways | Ast | mm | 2522 | | 2522 | |
| 4.34.2 | Aisle width for pallets 800 × 1200 lengthways | Ast | mm | 2370 | | 2370 | |
| 4.35 | Turning radius | Wa | mm | 1700 | | 1700 | |
| **Performance data** | | | | | | | |
| 5.1 | Travel speed, laden/ unladen | km/ h | km/h | 5.5 / 6 | | 5.5 / 6 | |
| 5.2 | Lifting speed, laden/ unladen | | m/ s | 0.023 / 0.031 | | 0.021 / 0.031 | |
| 5.3 | Lowering speed, laden/ unladen | | m/ s | 0.043 / 0.032 | | 0.048 / 0.032 | |
| 5.8 | Max. gradeability, laden/unladen | | % | 6 / 16 | | 5 / 16 | |
| 5.10 | Service brake type | | | Electromagnetic | | Electromagnetic | |
| **Electric-engine** | | | | | | | |
| 6.1 | Drive motor rating S2 60 min | | kW | 1.5 | | 2.5 | |
| 6.2 | Lift motor rating at S3 15% | | kW | 1 | | 1 | |
| 6.3 | The maximum allowed size battery | | mm | 660 x 205 x 660 | | 660 x 205 x 660 | |
| 6.4 | Battery voltage/nominal capacity K5 | | V/ Ah | 24 / 210 | | 24 / 210 | |
| 6.5 | Battery weight | | kg | 190 | | 190 | |
| **Addition data** | | | | | | | |
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| 10.5 | Steering type | | | Mechanical/Electronic | | Electronic | |
| 10.7 | Sound pressure level at the driver's ear | | dB (A) | 74 | | 74 | |

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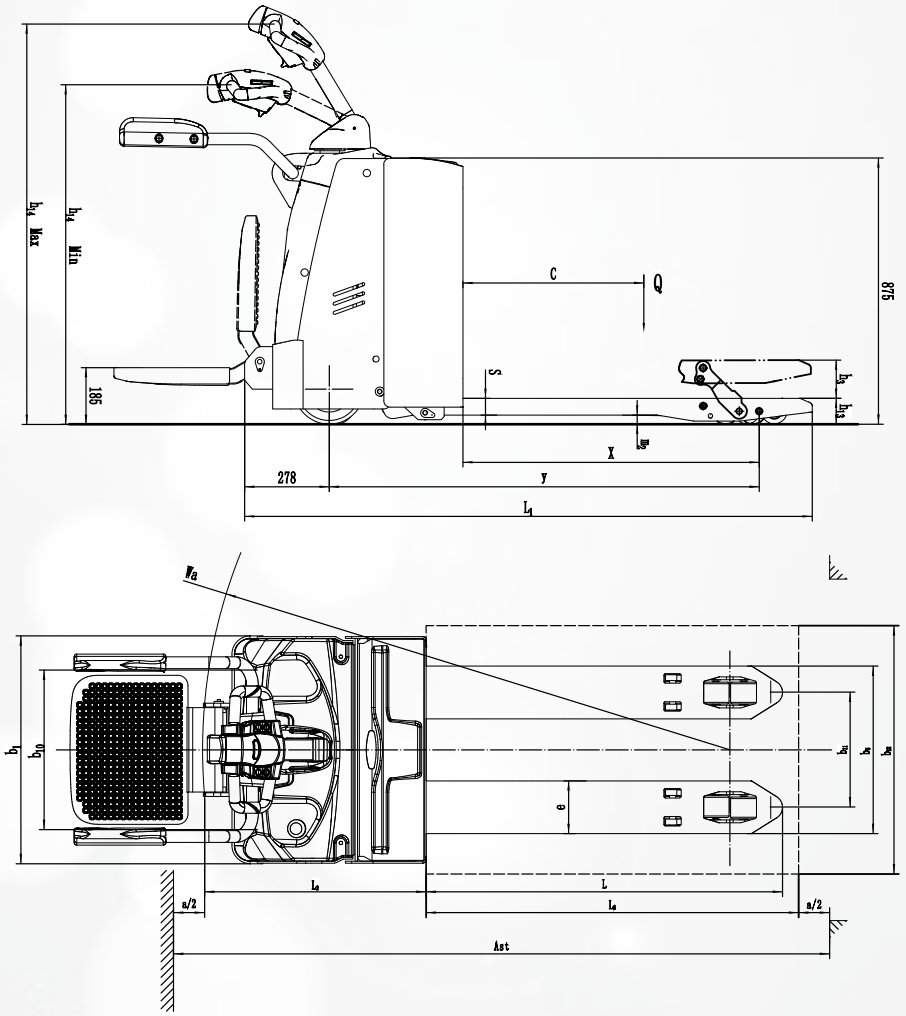
# OPTIONS

| Options | FT 20 P | FT20 PS | FT 25 P | FT 30 P |
|---|---|---|---|---|
| Fork length | ○ 1150/1220mm | ○ 1150/1220mm | ○ 1150/1220mm | ○1150/1220 |
| Fork width | ○685/600/540mm | ○685/600/540mm | ○685/600/540mm | ○685/600/540mm |
| Double load wheel | ● | ● | ● | ● |
| Single load wheel | ● | ● | ● | ● |
| Fork lowered height | — | — | — | — |
| Driving wheel | ●PU<br>○Rubber | ●PU<br>— | ●PU<br>○Rubber | ●PU<br>○Rubber |
| Balance wheel | ● | ● | ● | ● |
| Battery capacity | ○210AH/240AH/270AH/360AH | ○210AH/240AH/270AH/360AH | ○210AH/240AH/270AH/360AH | ○240AH/270AH/360AH |
| Lateral change battery | ○165/210AH/240AH | ○165/210AH | ○165/210AH/240AH | ○210AH/240AH |
| Cold storage | ○ | ○ | ○ | ○ |
| Battery indicator without hour meter | ○ | ○ | ○ | ○ |
| Battery indicator with hour meter | ● | ● | ● | ● |
| Water auto-filling system | ○ | ○ | ○ | ○ |
| Vertical handler working | ○ | ○ | ○ | — |
| Half speed function in turning | — | ● | — | ● |
| Guard arm | ● | ● | ● | ● |
| Special backrest | ○1220mm (48in)/1520mm (60in) | ○1220mm (48in)/1520mm (60in) | ○1220mm (48in)/1520mm (60in) | ○1220mm（48in）/1520mm(60in) |

Note: ● standard ○ option — NA

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