

# Technical parameters of lithium battery balanced forklift

| Product Model, Specifications, Configuration |    |                                                       |          | PD30L-100       | PD30L-150       | PD30L-175       | PD30L-280       |
|----------------------------------------------|----|-------------------------------------------------------|----------|-----------------|-----------------|-----------------|-----------------|
| essentials                                   | 1  | Power Form                                            |          | Lithium battery | Lithium battery | Lithium battery | Lithium battery |
|                                              | 2  | Operation Method                                      |          | Car style       | Car style       | Car style       | Car style       |
|                                              | 3  | nominal load capacity                                 | Q ( kg ) | 3000            | 3000            | 3000            | 3000            |
|                                              | 4  | Rated load center distance                            | c(mm)    | 500             | 500             | 500             | 500             |
|                                              | 5  | Front wheelbase                                       | X(mm)    | 465             | 465             | 465             | 465             |
|                                              | 6  | wheel base                                            | y(mm)    | 1700            | 1700            | 1700            | 1700            |
| weight                                       | 7  | conduct oneself with dignity                          | kg       | 4200            | 4200            | 4200            | 4200            |
|                                              | 8  | Axle load (full load, weight of front and rear axles) |          | 3590/460        | 3590/460        | 3590/460        | 3590/460        |
|                                              | 9  | Axle load (empty weight, front and rear axle weights) |          | 1170/1380       | 1170/1380       | 1170/1380       | 1170/1380       |
| Tire chassis                                 | 10 | Tire Type                                             |          | sincere         | sincere         | sincere         | sincere         |
|                                              | 11 | Front Tire Specifications                             |          | 28x9-15         | 28x9-15         | 28x9-15         | 28x9-15         |
|                                              | 12 | Rear Tire Specifications                              |          | 650-10          | 650-10          | 650-10          | 650-10          |

|                 |    |                                                    |            |                |                |                |                |
|-----------------|----|----------------------------------------------------|------------|----------------|----------------|----------------|----------------|
|                 | 13 | front gauge                                        | b10(mm)    | 1000           | 1000           | 1000           | 1000           |
|                 | 14 | Rear wheelbase                                     | b11(mm)    | 970            | 970            | 970            | 970            |
| Size Parameters | 15 | Gantry tilt angle<br>(front/rear)                  | a/b(°)     | 6/12           | 6/12           | 6/12           | 6/12           |
|                 | 16 | Truss static height                                | h1(mm)     | 1995           | 1995           | 1995           | 1995           |
|                 | 17 | Free Height Increase                               | h2(mm)     | 155            | 155            | 155            | 155            |
|                 | 18 | Standard boom lifting height                       | h3(mm)     | 3000           | 3000           | 3000           | 3000           |
|                 | 19 | Maximum height when the gantry is lifted           | h4(mm)     | 3955           | 3955           | 3955           | 3955           |
|                 | 20 | Top protection frame height                        | h6(mm)     | 2110           | 2110           | 2110           | 2110           |
|                 | 21 | Total length (to the vertical plane of the fork)   | l2(mm)     | 2680           | 2680           | 2680           | 2680           |
|                 | 22 | total width                                        | b1(mm)     | 1230           | 1230           | 1230           | 1230           |
|                 | 23 | Fork dimensions (thickness × width × length)       | Sxexl (mm) | 920x100×3<br>5 | 920x100×3<br>5 | 920x100×3<br>5 | 920x100×3<br>5 |
|                 | 24 | Fork rack width                                    | b3(mm)     | 125            | 125            | 125            | 125            |
|                 | 25 | Fork spacing                                       | b5(mm)     | 1030           | 1030           | 1030           | 1030           |
|                 | 26 | At the gantry, minimum ground clearance under full | m1(mm)     | 115            | 115            | 115            | 115            |

|                          |    |                                                                      |         |                       |                       |                       |                       |
|--------------------------|----|----------------------------------------------------------------------|---------|-----------------------|-----------------------|-----------------------|-----------------------|
|                          |    | load                                                                 |         |                       |                       |                       |                       |
|                          | 27 | Right-angle<br>stack<br>channel                                      | ast(mm) | 3600                  | 3600                  | 3600                  | 3600                  |
|                          | 28 | minimum<br>turning<br>radius                                         | wa(mm)  | 2450                  | 2450                  | 2450                  | 2450                  |
| performance<br>parameter | 29 | Maximum<br>Speed (Full<br>Load/No<br>Load)                           | km(mm)  | 16/18                 | 16/18                 | 16/18                 | 16/18                 |
|                          | 30 | Maximum<br>lifting speed<br>(full<br>load/empty<br>load)             | mm/s    | 495/500               | 495/500               | 495/500               | 495/500               |
|                          | 31 | Descent Rate<br>(Full Load/No<br>Load)                               | mm/s    | 450/500               | 450/500               | 450/500               | 450/500               |
|                          | 32 | Maximum<br>Hook<br>Traction<br>Force (Full<br>Load/No<br>Load)       | N       | 18000/1000<br>0       | 18000/1000<br>0       | 18000/1000<br>0       | 18000/1000<br>0       |
|                          | 33 | Maximum<br>slope (full<br>load / empty<br>load)                      | %       | 15/18                 | 15/18                 | 15/18                 | 15/18                 |
|                          | 34 | Brake for<br>vehicle<br>movement                                     |         | hydraulic<br>pressure | hydraulic<br>pressure | hydraulic<br>pressure | hydraulic<br>pressure |
|                          | 35 | parking<br>braking                                                   |         | machinery             | machinery             | machinery             | machinery             |
| electrical               | 36 | Walking<br>motor<br>power: S2<br>operating<br>mode for 60<br>minutes | KW      | 10                    | 10                    | 10                    | 10                    |

|       |    |                                                   |      |           |           |           |           |
|-------|----|---------------------------------------------------|------|-----------|-----------|-----------|-----------|
|       | 37 | Lifting motor power: S3 operating at 15% capacity | KW   | 13        | 13        | 13        | 13        |
|       | 38 | Standard battery voltage/capacity                 | V/AH | 80V/150Ah | 80V/150Ah | 80V/175Ah | 80V/280Ah |
| other | 39 | Controller Manufacturer                           | J2   | fanji     | fanji     | fanji     | fanji     |
|       | 40 | The attributes exert pressure.                    | MPa  | 14.5      | 14.5      | 14.5      | 14.5      |

\*We are the [source manufacturer](#) and can also customize various types of forklifts according to customer needs.

\*If needed, you can consult customer service.

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