



|                             |                                                                                 |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| ● Standard ○ Optional -None |                                                                                 |  |  |  |  |  |  |  |
| Product model               |                                                                                 | SFL-CBD15                                                                         | SFL-CBD15-CE                                                                      | SFL-CBD20                                                                           | SFL-CBD30                                                                           | SFL-300L                                                                            | SOF-300EU                                                                           | SPT-1000                                                                            |
| Basic parameters            | Operation type                                                                  | Automatic navigation, by manual control device                                    | Automatic navigation, by manual control device                                    | Automatic navigation, by manual control device                                      | Automatic navigation, by manual control device                                      | Automatic navigation                                                                | Automatic navigation                                                                | Automatic navigation                                                                |
|                             | Navigation type                                                                 | Laser SLAM                                                                        | Laser SLAM                                                                        | Laser SLAM                                                                          | Laser SLAM                                                                          | Laser SLAM                                                                          | Laser SLAM                                                                          | Laser SLAM                                                                          |
|                             | Pallet type                                                                     | Open pallet                                                                       | Open pallet                                                                       | Open pallet                                                                         | Open pallet                                                                         | Tote dolly / shelf                                                                  | Tote dolly / shelf                                                                  | Open / closed pallet                                                                |
|                             | Rated load capacity                                                             | 1500 kg                                                                           | 1500 kg                                                                           | 2000 kg                                                                             | 3000 kg                                                                             | 300 kg                                                                              | 300 kg                                                                              | 1000 kg                                                                             |
|                             | Load center distance                                                            | 600 mm                                                                            | 600 mm                                                                            | 600 mm                                                                              | 600 mm                                                                              | 345 mm                                                                              | 465 mm                                                                              | -                                                                                   |
|                             | Weight (with battery)                                                           | 388 kg                                                                            | 403 kg                                                                            | 600 kg                                                                              | 600 kg                                                                              | 210 kg                                                                              | 230 kg                                                                              | 450 kg                                                                              |
|                             | Standard lifting height                                                         | 205 mm                                                                            | 205 mm                                                                            | 205±5 mm                                                                            | 205±5 mm                                                                            | 70±5 mm~90±5 mm                                                                     | 70±5 mm~90±5 mm (default 70 mm)                                                     | 180 mm                                                                              |
|                             | Forklift dimensions: L x W x H                                                  | 1712 x 932 x 1902 mm                                                              | 1685 x 980 x 1906 mm                                                              | 1720 x 960 x 2100 mm                                                                | 1720 x 960 x 2100 mm                                                                | 914 x 400 x 1502.5 mm                                                               | 1094 x 500 x 1743 mm                                                                | 1450 x 1200 x 556 mm                                                                |
|                             | Fork dimensions: L x W x H                                                      | 1220 x (170+7) x 75 mm (7 mm wiring panel)                                        | 1220 x (170+7) x 75 mm (7 mm wiring panel)                                        | 1220 x 173 x 60 mm                                                                  | 1220 x 173 x 60 mm                                                                  | 480 x 300 mm                                                                        | 600 x 300 mm                                                                        | 1220 x 169 x 60 mm                                                                  |
|                             | Fork outer width                                                                | 550 / 600 / 680 mm                                                                | 550 / 600 / 680 mm                                                                | 600 / 680 mm                                                                        | 600 / 680 mm                                                                        | 300 mm                                                                              | -                                                                                   | 610 mm                                                                              |
| Performance parameters      | Right-angle stacking aisle width, pallet 1000x1200 (1200 placed along the fork) | 2252+200 mm                                                                       | 2260+200 mm                                                                       | 2155 mm                                                                             | 2155 mm                                                                             | -                                                                                   | -                                                                                   | 2100 mm                                                                             |
|                             | Right-angle stacking aisle width, pallet 800x1200 (1200 placed along the fork)  | 2190+200 mm                                                                       | 2220+200 mm                                                                       | 2080 mm                                                                             | 2080 mm                                                                             | -                                                                                   | -                                                                                   | 2100 mm                                                                             |
|                             | Right-angle stacking aisle width, pallet 1000x1000 (1000 placed along the fork) | 2224+200 mm                                                                       | 2230+200 mm                                                                       | 2080 mm                                                                             | 2080 mm                                                                             | -                                                                                   | -                                                                                   | 2100 mm                                                                             |
|                             | Minimum turning radius                                                          | 1524 mm                                                                           | 1532 mm                                                                           | 1360 mm                                                                             | 1360 mm                                                                             | 600 mm                                                                              | 804 mm                                                                              | 870 mm                                                                              |
| Battery parameters          | Ambient temperature and humidity range                                          | TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation               | TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation               | TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation                 | TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation                 | TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation                 | TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation                 | TEMP: 0°C to 50°C / RH: 10% to 90%, no compression, no condensation                 |
|                             | Driving speed: full load / no load                                              | 2 / 2 m/s                                                                         | 1.4 / 1.4 m/s                                                                     | 1.5 / 1.66 m/s                                                                      | 1.5 / 1.66 m/s                                                                      | 0.8 / 1.4 m/s                                                                       | 0.8 / 1.4 m/s                                                                       | 0.7 / 1.1 m/s                                                                       |
|                             | Passability (slope / step / gap)                                                | < 5% / 10 mm / 30 mm                                                              | < 5% / 10 mm / 30 mm                                                              | <5% / 10 mm / 30 mm                                                                 | <5% / 10 mm / 30 mm                                                                 | < 3% / 2 mm / 5 mm                                                                  | < 3% / 2 mm / 5 mm                                                                  | < 3% / 5 mm / 10 mm                                                                 |
|                             | Navigation position accuracy                                                    | ±10 mm                                                                            | ±10 mm                                                                            | ±10 mm                                                                              | ±10 mm                                                                              | ±10 mm                                                                              | ±10 mm                                                                              | ±10 mm                                                                              |
| Function configurations     | Navigation angle accuracy                                                       | ±1°                                                                               | ±1°                                                                               | ±1°                                                                                 | ±1°                                                                                 | ±1°                                                                                 | ±1°                                                                                 | ±0.5°                                                                               |
|                             | Battery specifications                                                          | 48 V / 23 Ah (lithium iron phosphate)                                             | 48 V / 46 Ah (lithium iron phosphate)                                             | 51.2 V / 106 Ah                                                                     | 51.2 V / 106 Ah                                                                     | 48 V / 35 Ah (ternary lithium)                                                      | 48 V / 23 Ah (lithium iron phosphate)                                               | 48 V / 36 Ah (lithium iron phosphate)                                               |
|                             | Comprehensive battery life                                                      | 4 to 6 h                                                                          | 8 to 10 h                                                                         | 10 h                                                                                | 8 h                                                                                 | 8 h                                                                                 | 6 h                                                                                 | 6 h                                                                                 |
|                             | Charging time (10% to 80%)                                                      | 1 h                                                                               | 1 h                                                                               | 2 to 3 h                                                                            | 2 to 3 h                                                                            | ≤1.5 h                                                                              | 1 h                                                                                 | 2 h                                                                                 |
| Safety configurations       | Charging method                                                                 | Manual / Automatic                                                                | Manual / Automatic                                                                | Manual / Automatic                                                                  | Manual / Automatic                                                                  | Manual / Automatic                                                                  | Manual / Automatic                                                                  | Manual / Automatic                                                                  |
|                             | Lidar number                                                                    | 1 (H1) +2 (C2)                                                                    | 1 (P+F OMD30M-R2000-B23-V1V1D-HD-1L) +2 (SICK)                                    | 1 (H1) +2 (C2) or 1 (P+F R2000) +2 (C2)                                             | 1 (H1) +2 (C2) or 1 (P+F R2000) +2 (C2)                                             | 1 (H1) +2 (C2)                                                                      | 1 (P+F R2000)+2 (SICK / nanoScan3 Hv)                                               | 1 (Mid-360)+4 (C213)                                                                |
|                             | Wi-Fi roaming                                                                   | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                             | 3D obstacle avoidance                                                           | ○                                                                                 | ●                                                                                 | ○                                                                                   | ○                                                                                   | ○                                                                                   | ○                                                                                   | ○                                                                                   |
| Certifications              | Pallet recognition                                                              | ○                                                                                 | ●                                                                                 | ○                                                                                   | ○                                                                                   | ○                                                                                   | ○                                                                                   | ○                                                                                   |
|                             | Cage stack                                                                      | -                                                                                 | -                                                                                 | ○                                                                                   | ○                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
|                             | High shelf pallet recognition                                                   | -                                                                                 | -                                                                                 | ○                                                                                   | ○                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
|                             | Pallet stack                                                                    | -                                                                                 | -                                                                                 | ○                                                                                   | ○                                                                                   | -                                                                                   | -                                                                                   | -                                                                                   |
| Product series              | HMI display                                                                     | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                             | E-stop button                                                                   | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                             | Sound and light indicator                                                       | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                             | Braking distance: 1 m/s / 1.5 m/s                                               | ≤30 cm / ≤50 cm                                                                   | 1 m / 2 m                                                                         | ≤30 cm / ≤50 cm                                                                     | ≤30 cm / ≤50 cm                                                                     | ≤30 cm / ≤50 cm                                                                     | ≤30 cm / ≤50 cm                                                                     | ≤30 cm / ≤50 cm                                                                     |
| Product series              | Bumper strip                                                                    | ●                                                                                 | -                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                             | Fork height protection                                                          | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   | ●                                                                                   |
|                             | ISO 3691-4                                                                      | -                                                                                 | ●                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | ●                                                                                   | -                                                                                   |
|                             | EMC                                                                             | ●                                                                                 | ●                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | ●                                                                                   | -                                                                                   |
| Product series              | UN38.3                                                                          | ●                                                                                 | ●                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | ●                                                                                   | -                                                                                   |
|                             | RED                                                                             | -                                                                                 | ●                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | ●                                                                                   | -                                                                                   |
|                             | Global series                                                                   | Yes                                                                               | Yes                                                                               | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 | Yes                                                                                 |
|                             | Product series                                                                  | SEER Pallet Truck                                                                 | SEER Pallet Truck                                                                 | SEER Pallet Truck                                                                   | SEER Pallet Truck                                                                   | SEER Pallet Truck                                                                   | SEER One Fork Truck                                                                 | SEER Pallet Truck                                                                   |