

## XQS151

### Intelligent Forward AMR

#### Product features

Navigated by 3D lidar with Auto&manual model

Outdoor use in different scenarios & Docking of various terminal devices



|                      |      |                                                             |          |      |                                   |
|----------------------|------|-------------------------------------------------------------|----------|------|-----------------------------------|
| Basic parameters     | 1.1  | Manufacturer                                                |          |      | EP                                |
|                      | 1.2  | Model designation                                           |          |      | XQS151                            |
|                      | 1.3  | Drive                                                       |          |      | Electric                          |
|                      | 1.4  | Operator type                                               |          |      | Standing                          |
|                      | 1.5  | Load capacity                                               | Q        | kg   | 1500                              |
|                      | 1.6  | Service weight                                              |          | kg   | 2675                              |
|                      | 1.7  | Navigation                                                  |          |      | 3D Slam                           |
|                      | 1.8  | Communication                                               |          |      | Wi-fi + 5G                        |
|                      | 1.9  | Positioning accuracy                                        |          | mm   | ±30                               |
|                      | 1.10 | Indoor/Outdoor                                              |          |      | Outdoor                           |
| Battery parameters   | 2.1  | Battery voltage/nominal capacity                            |          | V/Ah | 48/280                            |
|                      | 2.2  | Battery type                                                |          |      | Li-ion battery                    |
|                      | 2.3  | Battery weight                                              |          | kg   | 138                               |
|                      | 2.4  | Usage time                                                  |          | h    | 6-8                               |
| Size                 | 3.1  | Dimensions                                                  | l1/b1/h1 | mm   | 2200/1294/2472 (L*W*H)            |
|                      | 3.2  | Load centre distance                                        | c        | mm   | 600                               |
|                      | 3.3  | Load length                                                 | x        | mm   | 426                               |
|                      | 3.4  | Wheelbases                                                  | y        | mm   | 1278                              |
|                      | 3.5  | Fork vertical length                                        | l2       | mm   | 1130                              |
|                      | 3.6  | Fork dimensions                                             | s/e/l    | mm   | 40/100/1070                       |
|                      | 3.7  | Outer width of forks                                        | b5       | mm   | 350-538                           |
|                      | 3.8  | Height with forks lowered                                   | h13      | mm   | 60                                |
|                      | 3.9  | Lifting height                                              | h3       | mm   | 3000                              |
|                      | 3.10 | Forward distance                                            | l4       | mm   | 660                               |
| Other parameters     | 4.1  | Travel speed, laden/unladen                                 |          | m/s  | 1.5/2                             |
|                      | 4.2  | Max. gradeability, laden/unladen                            |          | %    | 6/10                              |
|                      | 4.3  | cross-ditch ability                                         |          | mm   | ≤20                               |
|                      | 4.4  | turning radius                                              | Wa       | mm   | 1641                              |
| Channel requirements | 5.1  | Straight forward and backward (with standard shelves) width | Ast      | mm   | 1800                              |
|                      | 5.2  | Right-angle turn (with standard shelves) width              | Ast      | mm   | 2381                              |
|                      | 5.3  | Width of unilateral pick-up and unloading                   | Ast      | mm   | 3357                              |
| Safety               | 6.1  | Emergency stop button                                       |          |      | Two sides                         |
|                      | 6.2  | Voice and light                                             |          |      | Voice + Light warning             |
|                      | 6.3  | Front protection                                            |          |      | Lidar                             |
|                      | 6.4  | Back protection                                             |          |      | Fork-tip photoelectricity + Lidar |
|                      | 6.5  | Physical bumper                                             |          |      | Front + two sides                 |
|                      | 6.6  | Pallet in-place detection switch                            |          |      | Fork root bottom                  |
| Option list          | 7.1  | Battery                                                     |          |      | ●48V/280Ah                        |
|                      | 7.2  | Charger                                                     |          |      | ●48V-200A Manual                  |
|                      | 7.3  | Warning light                                               |          |      | ●Turn light ●Warning light        |
|                      | 7.4  | Front protection                                            |          |      | ●Lidar                            |
|                      | 7.5  | Rear protection                                             |          |      | ●Fork-tip photoelectricity ●Lidar |
|                      | 7.6  | Interaction method                                          |          |      | ●Screen                           |
|                      | 7.7  | Docking with other devices                                  |          |      | ○Elevator ○Access door ○Call box  |
| Auto-charge          | 8.1  | Rated input power (50Hz)                                    |          |      | -                                 |
|                      | 8.2  | Communication                                               |          |      | -                                 |
|                      | 8.3  | Size                                                        |          | mm   | -                                 |
|                      | 8.4  | Charging power                                              |          |      | ●24V/50A ○24V/100A                |