

## Yatong RU-24

Аналог: Машина для перевозки персонала Utimec SF 255 Per

### RU-24 People Carrier

#### RU-24 vehicle technical parameters

| Serial number | Project                                   |               | Unit   | Parameter value                        |
|---------------|---|---------------|--------|--|
| 1             | Rated number of people (including driver) |               | seat   | twenty four                            |
| 2             | curb weight                               |               | kg     | 9000                                   |
| 3             | Dimensions: length × width × height       |               | mm     | 8 835 × 1 9 00 × 2 55 0                |
| 4             | Engine power/speed                        |               | Kw/rpm | 132/2200                               |
| 5             | Largest traction                          |               | KN     | ≥80                                    |
| 6             | drive mode                                |               |        | four-wheel drive                       |
| 7             | transfer method                           |               |        | Hydrostatic transmission               |
| 8             | braking method                            | working brake |        | hydraulically braked, spring released  |
|               |   | parking brake |        | Spring applied, hydraulically released |
| 9             | Gradeability (longitudinal)               |               | °      | 16                                     |
| 10            | Minimum turning radius                    | inside        | mm     | 5375                                   |
|               |   | outside       | mm     | 7950                                   |
| 11            | Driving speed (full load)                 | forward gear  | Km/h   | 0-25                                   |
|               |   | reverse gear  |        | 0-25                                   |
| 12            | start method                              |               |        | electric start                         |
| 13            | Minimum ground clearance                  |               | mm     | ≥260                                   |
| 14            | Braking distance                          |               | m      | ≤8                                     |

#### Cab configuration

| Serial number | Project name                          |                | Technical indicators   |
|---------------|---------------------------------------|----------------|--|
| 1             | cab                                   |                | The cab complies with FORS and ROPS safety certification   |
| 2             | cab                                   |                | Metal airtight cab, airtight with heating and cooling air conditioner  |
| 3             | Control device                        |                | Starting, steering, acceleration, braking, parking, gear shifting, lighting, air conditioning, etc.                            |
| 4             | Control device Manipulation force (N) | steering wheel | ≤50  |
|               |                                       | pedals         | ≤350   |
|               |                                       | Joystick       | ≤120   |
| 5             | display instrument                    |                | Oil pressure gauge, voltmeter, water temperature gauge, engine tachometer, speedometer, fuel gauge, brake pressure gauge, etc. |
| 6             | seat form                             |                | Air cushion seat, front and rear adjustable  |
| 7             | Cabin air conditioner                 |                | Heating and air conditioning   |
| 8             | Reverse image                         |                | have   |

### Diesel engine system

| Serial number | Project name                                | Technical indicators                      |
|---------------|---|---|
| 1             | Specifications                              | QSC5.9                                    |
| 2             | Cylinder arrangement                        | Inline                                    |
| 3             | brand                                       | Dongfeng Cummins                          |
| 4             | Rated power/speed (kW/rpm)                  | 132/2200                                  |
| 5             | Maximum torque ((N m)/speed (r/min))        | 800/1400                                  |
| 6             | Direction of rotation (facing the flywheel) | counterclockwise                          |
| 7             | Minimum working stable speed (r/min)        | 800±50                                    |
| 8             | Displacement (L)                            | 5.9                                       |
| 9             | Average fuel consumption rate (g/KWh)       | 206                                       |
| 10            | Bore/stroke (mm)                            | 114/135                                   |
| 11            | Intake method                               | turbocharged, intercooled                 |
| 12            | exhaust method                              | Exhaust gas purification, noise reduction |
| 13            | fuel specification                          | No. 0 ~ -35 diesel oil                    |
| 14            | emission index                              | National III emissions                    |

### Walking parameters

| Serial number | Project name             | Technical indicators |
|---------------|--------------------------|----------------------|
| 1             | walking pump             | HPV135               |
| 2             | walking motor            | CMV115               |
| 3             | Walking pump/motor brand | Import Linde         |

### Transmission system

| Serial number | Project name                                | Technical indicators     |
|---------------|---|--------------------------|
| 1             | transfer method                             | Hydrostatic transmission |
| 2             | Axle model (front/rear)                     | 112/112                  |
| 3             | Axle ratio (front/rear)                     | 23.5/23.5                |
| 4             | Axle manufacturer (front/rear)              | DANA                     |
| 5             | Tire specifications and models (front/rear) | 10.00-20PR20             |
| 6             | Tire manufacturer (front/rear)              | Guizhou forward          |
| 7             | Tire Type (Front/Rear)                      | pneumatic tire           |

### Braking System

| Serial number | Project name                                     | Technical indicators              |
|---------------|--|-----------------------------------|
| 1             | Brake type                                       | wet brake                         |
| 2             | Displacement of brake pump (mL/r)/pressure (MPa) | 14/20                             |
| 3             | working brake                                    | Hydraulic Brake/Spring Release    |
| 4             | Emergency/Parking Brake Type                     | Spring Applied/Hydraulic Released |
| 5             | Braking distance (20Km/h dry hard road) (m)      | < 8                               |
| 6             | Brake system manufacturer                        | Mico                              |

|   |                   |      |
|---|-------------------|------|
| 7 | Emergency trailer | have |
|---|-------------------|------|

#### Steering hydraulic system

| Serial number | Project name                                       | Technical indicators                |
|---------------|--|-------------------------------------|
| 1             | Steering   | Articulated full hydraulic steering |
| 2             | Steering pump displacement (mL/r) / pressure (MPa) | 50/20                               |
| 3             | factory  | Danfoss                             |

#### Lighting system

| Serial number | Project name             | Technical indicators                                     |
|---------------|--------------------------|--|
| 1             | Type of headlight        | LED high and low beams (with rigid protective lampshade) |
| 2             | brake light, turn signal | have   |
| 3             | reversing light          | left and right   |

#### Sound Signal Warning Device

| Serial number | Project name                | Technical indicators                    |
|---------------|-----------------------------|---|
| 1             | type                        | Electric horn                           |
| 2             | Operation method            | Manual button on the steering wheel     |
| 3             | Volume (dB(A))              | Speaker sound pressure $\geq 75$ at 40m |
| 4             | Sound warning for reversing | have                                    |
| 5             | Reverse image               | have                                    |

#### Exhaust gas purification

| Serial number | Project name | Technical indicators                          |
|---------------|--------------|---|
| 1             | name         | Exhaust gas purification device               |
| 2             | Function     | Three-way catalysis, black smoke purification |

#### Automatic fire extinguisher

| Serial number | Project name     | Technical indicators                       |
|---------------|------------------|--|
| 1             | name             | Engine automatic fire extinguishing system |
| 2             | Operation method | Cab manual handle                          |
| 3             | Capacity (L)     | 8  |