

We promise, We deliver



## Noblelift Headquarters

Add: #528 Changzhou Road, Taihu  
Sub-district, Changxing, 313100, China  
TEL: +86 572 6210311/6120989  
FAX: +86 572 6129336  
WEB: [www.noblelift.com](http://www.noblelift.com)  
Email: [info@noblelift.com](mailto:info@noblelift.com)



Official website



Our Wechat

## Noblelift North America Corp.

Add: 2461 S Wolf Road, Des Plaines, IL 60018  
Tel: 847-595-7100  
Fax: 847-595-7200  
Email: [sales@nobleliftna.com](mailto:sales@nobleliftna.com)  
Http: [www.nobleliftna.com](http://www.nobleliftna.com)

## Noblelift Europe GmbH

Add: Borsigstrasse 9d-93092 Barbing  
Germany  
TEL: +49 9401 607930  
FAX: +49 9401 6079329  
WEB: [www.noblelifteuopr.com](http://www.noblelifteuopr.com)  
Email: [mail@noblelifteurope.com](mailto:mail@noblelifteurope.com)

## Noblelift Russia

ООО "Ноблелифт Рус"  
194292, Санкт-Петербург  
Домостроительная ул. 4А офис 301  
Бизнес-центр "Парнас"  
тел.: +7 (800) 700-28-97  
Email: [sales@noblelift.com.ru](mailto:sales@noblelift.com.ru)

**RT16/20P<sub>ro</sub>**  
**RT16/20B**

## Features:

- Safe and reliable
- Energy efficient
- Strong chassis and excellent view
- Comfortable driving and easy operation
- Optional function



Small  
Turning Radius



Capacity  
1600-2000Kg



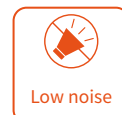
Easy  
Maintenance



Powerful  
Battery



Robust  
Design



Low noise

**NEW** *Noblelift Products*  
**ARRIVAL**

**NOBLELIFT INTELLIGENT EQUIPMENT CO., LTD**

## RT16/20Pro-16/20B

### Safe and reliable:

- The tilting of the fork can effectively improve the stability of the whole vehicle and the loading capacity at height.
- The electro-hydraulic proportional control system has good fretting performance, more stable work and more precise control.
- Speed limit function, when the forklift lifts to a certain height, the driving speed of the forklift will automatically decrease to ensure the safety of high position operation.
- The height limit function, the lifting motor will automatically power off to ensure the safety of lifting when the forks lift to the maximum height.
- Turning speed limit control prevents the truck from tipping sideways when turning, ensuring the safety of the truck when turning.
- Smooth deceleration when the mast reaches/backwards to the end can ensure the stability of the mast movement.
- The motor temperature detection and control can effectively prevent the motor from being damaged due to excessive temperature.
- The motor current detection and control can effectively prevent the motor from being damaged due to excessive current.
- The combination of electromagnetic brake and hydraulic brake has a short braking distance, no deviation, no impact, and is safe and reliable.
- The parking electromagnetic brake can realize the one-key start operation function no matter it is on the slope or on the smooth ground.
- Using CAN bus communication technology, electrical wiring is simple, the compatibility is good, and the reliability is high.
- AC frequency conversion speed control technology enables stepless closed-loop speed control of driving, lifting, and steering drives, which is accurate and reliable.

### Energy efficient:

- High-speed lifting and lowering control improves your work efficiency.
- It adopts AC drive motor, hydraulic pump motor and steering motor, with long service life, maintenance-free and reliable performance.
- Regenerative braking to achieve energy recovery and extend battery life.
- All lights use LED, durable and energy-saving.

## Robust Design & Excellent Stability



- The powerful chassis structure and reasonable center of mass distribution make the forklift have excellent stability.



- The large arc of the back wall of the chassis coincides with the turning radius of the vehicle, which is beautiful and has a small turning radius.



- The reasonable layout of the lifting cylinder and pipeline system, the mast pipeline is simple and beautiful, and the vision is good.

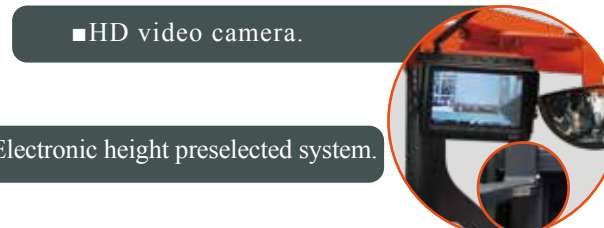


- The high-precision forward sliding rail and excellent clearance compensation design make the forward movement of the masts more stable.

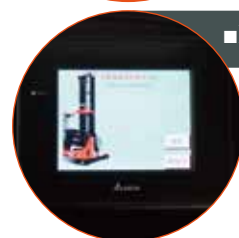
## Optional function



- Side battery extraction.



- HD video camera.



- Electronic height preselected system.



- Integrated side-shift.



## Comfortable driving and easy operation



■ The spacious driving space and ergonomic layout reflect the humanized design of the vehicle.



■ Multi-function color LCD instrument can display information such as steering wheel position, battery power, power alarm, fault code, running time, driving speed etc. The driving speeds of low, medium and high third gear can be set through the meter.



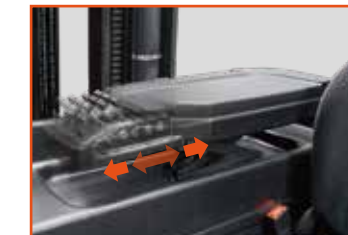
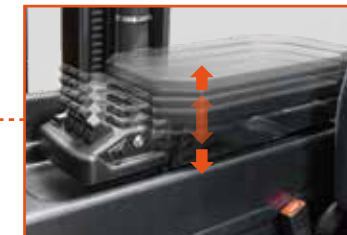
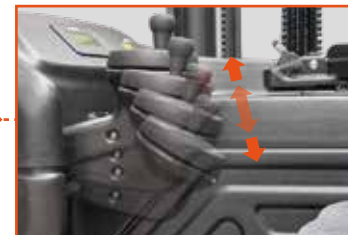
■ Low-noise gear hydraulic pump reduces the lifting noise of the whole vehicle. Travel motor controllers, hydraulic pump motor controllers and steering motor controllers of international well-known brands are self-protected, maintenance-free, and have superior performance.



■ Shock-absorbing seat, adjustable backrest, and seat belt as standard.

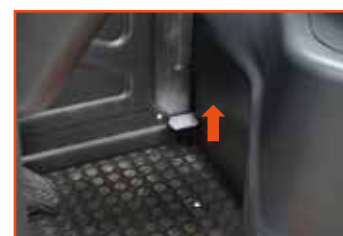


■ Centralized control console, fingertip operation, convenient and accurate.



■ The steering wheel and central control console can be adjusted freely in all directions to suit your best operating habits.

■ Adopting AC EPS electronic power steering system, the steering is light and has automatic centering function, and the 180°/360° steering mode can be switched in real time.



■ In order to replace the battery its tray should be reached forwards. The mechanism for battery's tray release is located near with operator's foot.

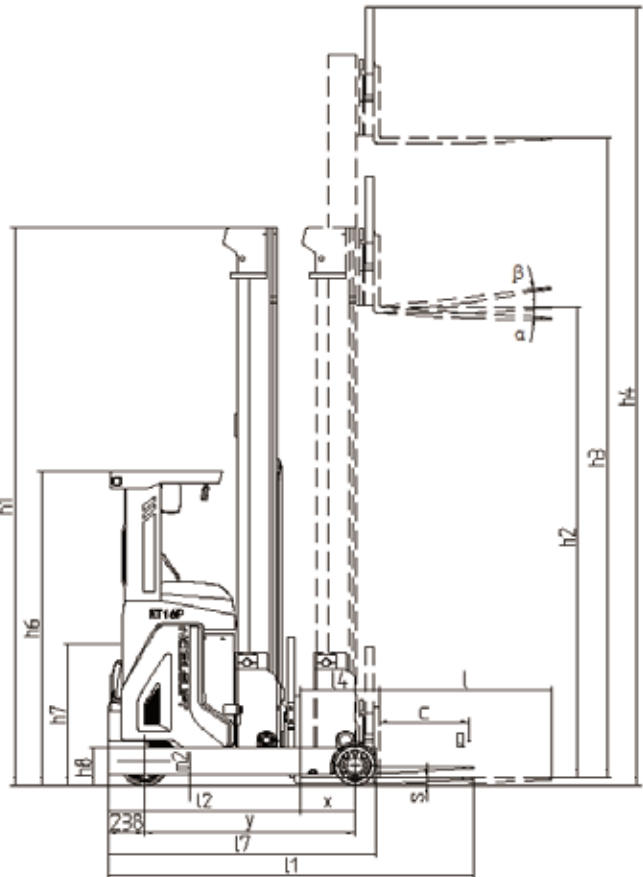
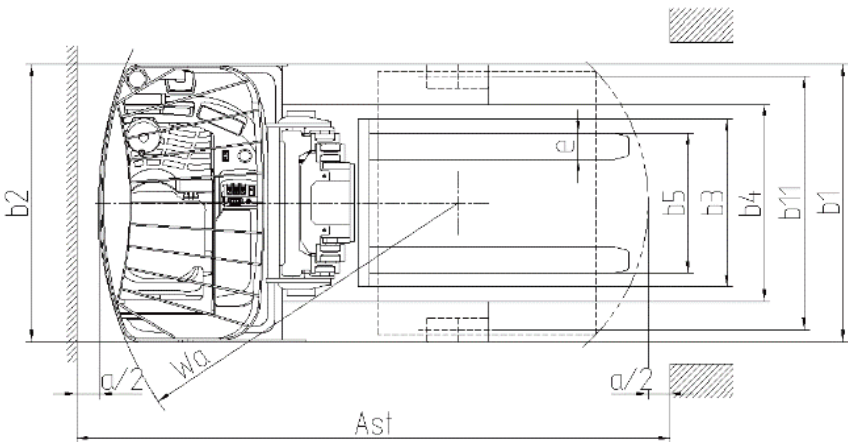


Type sheet for industrial truck acc. to VDI 2198

| Model   | Lift height<br>h3 (mm) | Free lift<br>h2 (mm) | Mast height<br>h1 (mm) | Load capacity<br>kg | Tilt of fork<br>α/β (°) |
|---------|------------------------|----------------------|------------------------|---------------------|-------------------------|
| 16M450  | 4500                   | 1563                 | 2235                   | 1600                | 4°/-2°                  |
| 16M500  | 5000                   | 1730                 | 2400                   | 1600                | 4°/-2°                  |
| 16M550  | 5500                   | 1897                 | 2568                   | 1600                | 4°/-2°                  |
| 16M600  | 6000                   | 2063                 | 2735                   | 1600                | 4°/-2°                  |
| 16M650  | 6500                   | 2230                 | 2900                   | 1500                | 4°/-2°                  |
| 16M700  | 7000                   | 2397                 | 3068                   | 1400                | 4°/-2°                  |
| 16M750  | 7500                   | 2563                 | 3234                   | 1200                | 4°/-2°                  |
| 16M800  | 8000                   | 2730                 | 3400                   | 1000                | 4°/-2°                  |
| 16M850  | 8500                   | 2897                 | 3567                   | 900                 | 4°/-2°                  |
| 16M900  | 9000                   | 3063                 | 3734                   | 800                 | 4°/-2°                  |
| 16M950  | 9500                   | 3230                 | 3900                   | 600                 | 4°/-2°                  |
| 20M450  | 4500                   | 1563                 | 2235                   | 2000                | 4°/-2°                  |
| 20M500  | 5000                   | 1730                 | 2400                   | 2000                | 4°/-2°                  |
| 20M550  | 5500                   | 1897                 | 2568                   | 2000                | 4°/-2°                  |
| 20M600  | 6000                   | 2063                 | 2735                   | 2000                | 4°/-2°                  |
| 20M650  | 6500                   | 2230                 | 2900                   | 1900                | 4°/-2°                  |
| 20M700  | 7000                   | 2397                 | 3068                   | 1800                | 4°/-2°                  |
| 20M750  | 7500                   | 2563                 | 3234                   | 1600                | 4°/-2°                  |
| 20M800  | 8000                   | 2730                 | 3400                   | 1400                | 4°/-2°                  |
| 20M850  | 8500                   | 2897                 | 3567                   | 1200                | 4°/-2°                  |
| 20M900  | 9000                   | 3063                 | 3734                   | 1000                | 4°/-2°                  |
| 20M950  | 9500                   | 3230                 | 3900                   | 800                 | 4°/-2°                  |
| 20M1000 | 10000                  | 3397                 | 4067                   | 900                 | 4°/-2°                  |
| 20M1050 | 10500                  | 3563                 | 4234                   | 800                 | 4°/-2°                  |
| 20M1100 | 11000                  | 3730                 | 4400                   | 700                 | 4°/-2°                  |
| 20M1150 | 11500                  | 3897                 | 4567                   | 600                 | 4°/-2°                  |
| 20M1200 | 12000                  | 4063                 | 4733                   | 550                 | 4°/-2°                  |
| 20M1250 | 12500                  | 4230                 | 4900                   | 500                 | 4°/-2°                  |

|            |           | Types      |      | RT20P  |     |
|------------|-----------|------------|------|--------|-----|
|            |           | Door frame |      | 9500mm |     |
| h3<br>(mm) | Q<br>(kg) |            |      |        |     |
|            |           |            |      |        |     |
|            | 9500      | 800        | 600  | 400    |     |
|            | 9000      | 1000       | 700  | 600    |     |
|            | 8500      | 1200       | 900  | 800    |     |
|            | 8000      | 1400       | 1100 | 1000   |     |
|            | 7500      | 1600       | 1300 | 1200   |     |
|            | 7000      | 1800       | 1500 | 1400   |     |
|            | 6300      | 2000       | 1700 | 1600   |     |
|            | C (mm)    |            | 600  | 700    | 800 |

|            |  | Types      |      | RT16P  |  |
|------------|--|------------|------|--------|--|
|            |  | Door frame |      | 9500mm |  |
| h3<br>(mm) |  | Q<br>(kg)  |      |        |  |
|            |  |            |      |        |  |
| 9500       |  | 600        | 400  | 200    |  |
| 9000       |  | 800        | 500  | 300    |  |
| 8500       |  | 900        | 600  | 400    |  |
| 8000       |  | 1000       | 750  | 500    |  |
| 7500       |  | 1200       | 950  | 700    |  |
| 7000       |  | 1400       | 1150 | 900    |  |
| 6300       |  | 1600       | 1300 | 1100   |  |
| C (mm)     |  | 600        | 700  | 800    |  |



Type sheet for industrial truck acc. to VDI 2198

| dentification    |                                                                 |            |                    |                    |                    |
|------------------|-----------------------------------------------------------------|------------|--------------------|--------------------|--------------------|
| 1.1              | Manufacturer                                                    |            | NOBLELIFT          |                    |                    |
| 1.2              | Model                                                           |            | RT16Pro            | RT20Pro            | RT16B              |
| 1.3              | Drive                                                           |            | Electric           | Electric           | Electric           |
| 1.4              | Operator type                                                   |            | Seated             | Seated             | Seated             |
| 1.5              | Load capacity / rated load                                      | Q (kg)     | 1600               | 2000               | 1600               |
| 1.6              | Load centre                                                     | c (mm)     | 600                | 600                | 600                |
| 1.8              | Load distance, centre of support arm wheel to face of forks     | x (mm)     | 365/176            | 395/200            | 365/176            |
| 1.9              | Wheelbase                                                       | y (mm)     | 1400               | 1500               | 1400               |
| Weights          |                                                                 |            |                    |                    |                    |
| 2.1              | Service weight including battery                                | kg         | 3960               | 4220               | 3990               |
| 2.3              | Axle load, mast retracted without load, drive/support arm wheel | kg         | 2420/1540          | 2560/1660          | 2450/1540          |
| 2.4              | Axle load, mast extended with load, drive/support arm wheel     | kg         | 830/4760           | 746/5474           | 890/4700           |
| 2.5              | Axle load, mast retracted with load, drive/support arm wheel    | kg         | 2100/3460          | 2270/3950          | 2180/3410          |
| Wheels           |                                                                 |            |                    |                    |                    |
| 3.1              | Drive/support arm wheel                                         |            | PU                 | PU                 | PU                 |
| 3.2              | Wheel size, front                                               | Øxw (mm)   | Ø 343 x140         | Ø 343X140          | Ø 343X140          |
| 3.3              | Wheel size, rear                                                | Øxw (mm)   | Ø 285X110          | Ø 330X110          | Ø 285X110          |
| 3.5              | Wheels, number front/rear (x=driven wheels)                     |            | 1x/2               | 1x/2               | 1x/2               |
| 3.7              | Track width, rear                                               | b11 (mm)   | 1160               | 1160               | 1160               |
| Dimensions       |                                                                 |            |                    |                    |                    |
| 4.1              | Tilt of fork, forward/backward                                  | α/β (°)    | 4°/-2°             | 4°/-2°             | 4°/-2°             |
| 4.2              | Height, mast extended                                           | h1 (mm)    | 3900               | 3900               | 3900               |
| 4.3              | Free lift                                                       | h2 (mm)    | 3290               | 3290               | 3290               |
| 4.4              | Lift height                                                     | h3 (mm)    | 9500               | 9500               | 9500               |
| 4.5              | Extended mast height                                            | h4 (mm)    | 10410              | 10410              | 10410              |
| 4.7              | Height of overhead guard (cab)                                  | h6 (mm)    | 2200               | 2200               | 2200               |
| 4.8              | Seat height                                                     | h7 (mm)    | 960                | 960                | 960                |
| 4.10             | Height of support arms                                          | h8 (mm)    | 270                | 270                | 270                |
| 4.15             | Height of lowered forks                                         | h13 (mm)   | 40                 | 40                 | 40                 |
| 4.19             | Overall length                                                  | l1 (mm)    | 2412               | 2488               | 2412               |
| 4.20             | Length to face of forks                                         | l2 (mm)    | 1262               | 1338               | 1262               |
| 4.21             | Overall width                                                   | b1 (mm)    | 1270               | 1270               | 1270               |
| 4.22             | Fork dimensions                                                 | s/e/l (mm) | 40/100/1150        | 40/120/1150        | 40/100/1150        |
| 4.23             | Fork carriage ISO 2328, class/type A, B                         |            | 2/A                | 2/A                | 2/A                |
| 4.25             | Width across forks                                              | b5 (mm)    | 220/750            | 240/750            | 220/750            |
| 4.26             | Distance between support arms                                   | b4 (mm)    | 900                | 900                | 900                |
| 4.28             | Reach distance                                                  | l4 (mm)    | 525                | 595                | 525                |
| 4.31             | Ground clearance, with load, below mast                         | m1 (mm)    | 90                 | 90                 | 90                 |
| 4.32             | Ground clearance, centre of wheelbase                           | m2 (mm)    | 75                 | 75                 | 75                 |
| 4.33             | Aisle width for pallets 1000 x 1200 crossways                   | Ast(mm)    | 2720               | 2840               | 2720               |
| 4.34             | Aisle width for pallets 800 x 1200 lengthways                   | Ast(mm)    | 2780               | 2900               | 2780               |
| 4.35             | Turning radius                                                  | Wa (mm)    | 1650               | 1750               | 1650               |
| 4.37             | Length across support arms                                      | l7 (mm)    | 1780               | 1900               | 1780               |
| Performance data |                                                                 |            |                    |                    |                    |
| 5.1              | Travel speed, with/without load                                 | km/h       | 10.5/10.5          | 10.5/10.5          | 10.5/10.5          |
| 5.2              | Lift speed, with/without load                                   | m/s        | 0.35/0.5           | 0.35/0.5           | 0.25/0.5           |
| 5.3              | Lowering speed, with/without load                               | m/s        | 0.45/0.45          | 0.45/0.45          | 0.45/0.45          |
| 5.4              | Reach speed, with/without load                                  | m/s        | 0.1/0.1            | 0.1/0.1            | 0.1/0.1            |
| 5.8              | Max. gradeability, with/without load                            | %          | 10/10              | 10/10              | 10/10              |
| 5.10             | Service brake                                                   |            | Hydraulic/electric | Hydraulic/electric | Hydraulic/electric |
| Electric motor   |                                                                 |            |                    |                    |                    |
| 6.1              | Drive motor rating S2 60 min                                    | kW         | 6.4                | 6.4                | 7                  |
| 6.2              | Lift motor rating S3 15%                                        | kW         | 12.5               | 12.5               | 8.2                |
| 6.4              | Battery voltage, nominal capacity K5                            | V/Ah       | 48/420, 560, 700   | 48/560, 420, 700   | 48/420, 560, 700   |
| 6.5              | Battery weight                                                  | kg         | 750                | 950                | 750                |
| Other            |                                                                 |            |                    |                    |                    |
| 8.1              | Type of drive control                                           |            | AC                 | AC                 | AC                 |
| 8.4              | Sound level at the driver's ear according to EN 12 053          | dB(A)      | 68                 | 68                 | 68                 |