

Emissions-free Efficiency for **every** use!





N20-25



ТЕХНИКА ДЛЯ СКЛАДА

The new N Series Electric Forklift

The creative, dynamic and elegant design of its appearance makes it a fashion private ride for the operators, the robust metal molding of the exterior covers delivers styling as well as safety. Excellent ergonomic design delivers great reliability, easy maintenance, efficient and comfort operation, safe and environmental friendlily.















- **ADVANTAGE** Compact and Elegant Design
 - Excellent Visibility
 - Ergonomics Details
 - High Stability
 - Easy Maintenance
 - Reliability and Safety
 - Comfortable Operation
 - Environmental-friendly
 - High Efficiency and Low-Energy Consumption





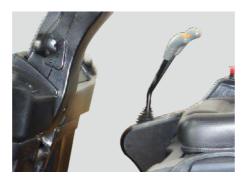






Rear hand holder with horn function

The rear hand holder with horn function, for safe and comfortable operation and sitting for the operators during backing.



Hydraulic operating handle on the right side

Hydraulic operating handle on the right side, in line with ergonomic engineering, and greatly improved driver comfort.



Motor controllers, contactors, power switch, emergency switch, display, accelerators and other key electrical components adopt international famous brand.

Advanced AC high frequency integrated MOSFET controller and CAN-bus technology.

High frequency MOSFET integrated controller ensures smooth and accurate driving and lifting, excellent acceleration, motor and controller performance matching delivers safety and reliability such as regenerative braking and reverse connection as well ramp antis-slipping.

Operation sequence protection and electronic self-protection function,

Emergency power off switch as standard configuration, meets the European safety norms.



Foot-type parking brake system

Foot brake with suspension system, increasing operating space at the foot and foot operation comfort for driver.

Foot-type parking brake system, the driver can apply the brake without changing the posture, so long as foot gently step on the parking brake, driver fatigue can be effectively reduced.



Big LED display

Big LED display with big LED screen with Error code and warnings for easy monitor of the status.

Low noise and environmental-friendly

Cushioning devices added to motor, batteries and other locations, as well as the optimization of vehicle body frame structure, reducing the vibration of the truck; Low-noise pump together with load sensing steering gear, makes the truck noise extremely low Descending speed will automatically slow down before the fork lowered to the minimum height, so it substantially reduces the impact noise.

Rear axle using the flexible shock absorption system, effective filtrating the ground clutters, makes the driver much comfortable.

Type sheet



| | 1.1 | Manufacture(abbreviation) | | Noblellift | Noblellift | | |
|--------------------------|------|---|-------------------|---------------------------------|------------------|--|--|
| . Weights Identification | 1.2 | Manufacturer's type designation | | N20AC | N25AC | | |
| | 1.3 | Drive:electric(battery or mains), diesel, petrol gas, manual) | | electric | electric | | |
| | 1.4 | Type of operation(hand,pedestrian,standing,seated,order-picker) | | seated | seated | | |
| | 1.5 | Load capacity/rated load | Q(Kg) | 2000 | 2500 | | |
| | 1.6 | Load centre distance | C(mm) | 500 | 500 | | |
| | 1.8 | Load distance, centre of drive axle to fork | X(mm) | 463 | 468 | | |
| | 1.9 | wheelbase | y(mm) | 1500 | 1500 | | |
| | 2.1 | Service weight incl. battery(see line 6.5) | Kg | 4100 | 4260 | | |
| | 2.2 | Axle loading ,laden front/rear | Kg | 5300/800 | 6010/750 | | |
| | 2.3 | Axle loading, unladen front/rear | Kg | 2060/2150 | 1940/2320 | | |
| | 3.1 | Type:solid rubber, superelastic, pneumatic, polyurethane | 9 | superelastic | superelastic | | |
| Chassis | | | | 23×9-10-18PR | 23×9-10-18PR | | |
| has | 3.2 | Tyres size, front | | 23 × 9=10=18PR 18 × 7=8=14PR | 18×7-8-14PR | | |
| | 3.3 | Tyres size,rear | | | | | |
| <u>e</u> | 3.5 | Wheels,number front/rear(×=driven wheels) | h40() | 2×/2 | 2×/2 | | |
| Wheels, | 3.6 | sk width, front b10(mm) | | 1040 | 1040 | | |
| > | 3.7 | Track width, rear | b11(mm) α/β(°) | 950 | 950 | | |
| | 4.1 | Mast/fork carriage tilt forward/backward | α/p(*) h1(mm) | 6/10 | 6/10 | | |
| | 4.2 | orea mast neight | | | 2045 | | |
| | 4.3 | Free lift | h3(mm) | 120 | 120 | | |
| | 4.4 | Lift height | | 3000 | 3000 | | |
| | 4.5 | Extended mast height | h4(mm) | 3977 | 3977 | | |
| ons | 4.7 | Overhead load guardheight | h6(mm) | 2190 | 2190 | | |
| nsi | 4.8 | Seat height/standing height | h7(mm) | 1058 | 1058 | | |
| ше | 4.12 | Coupling height | h10(mm) | 295 | 295 | | |
| ä | 4.19 | Overall length | I1(mm) | 3393 | 3393 | | |
| Basic Dimemsions | 4.20 | Length to face of forks | I2(mm) | 2323 | 2328 | | |
| ñ | 4.21 | Overall width | b1(mm) | 1260 | 1260 | | |
| | 4.22 | Fork dimensions | s/e/I(mm) | 40/120/1070 | 40/120/1070 | | |
| | 4.24 | Fork carriage width | b3(mm) | 1040 | 1040 | | |
| | 4.31 | Ground clearance ,laden,under mast | m1(mm) | 110 | 110 | | |
| | 4.32 | Ground clearance, centre of wheelbase | m2(mm) | 120 | 120 | | |
| | 4.33 | Aisle width for pallets 1000×1200 crossways | Ast(mm) | 3583 | 3588 | | |
| | 4.34 | Aisle width for pallets 800×1200 lengthways | Ast(mm) | 3713 | 3718 | | |
| | 4.35 | Turning radius | Wa(mm) | 2050 | 2050 | | |
| ţa | 5.1 | Travel speed, laden/unladen | Km/h | 13/14 | 13/14 | | |
| õ | 5.2 | Lift speed,laden/unladen | m/s | 0.26/0.4 | 0.25/0.39 | | |
| ž | 5.3 | lowering speed,laden/unladen | m/s | <0.6 | <0.6 | | |
| Performance Data | 5.5 | Drawbar pull ,laden/unladen S2 60 min | N | 3300/2300 | 3300/2300 | | |
| ē | 5.6 | Max.drawbar pull ,laden/unladen S2 5 min | N | 10000/7000 | 10000/7000 | | |
| Pe | 5.8 | Max.Gradient performance,laden/unladen S2 5 min | % | 13/15 | 13/15 | | |
| | 5.10 | | KW | Hydraulic | Hydraulic | | |
| | 6.1 | Drive motor rating S2 60 min | KW | 11 | 11 | | |
| ŗ | 6.2 | Lift motor rating at S3 15% | IV VV | 8.6 | 8.6 | | |
| 10to | 6.3 | Battery standard | | BS 48/600 | BS 48/600 | | |
| E-Motor | 6.4 | Battery voltage, nominal capacity K5 | V/Ah | 48/630 48/700 | 48/630 48/700 | | |
| | 6.5 | Battery weight | Kg | 947 | 947 | | |
| | | Battery dimensions I/w/h | mm | 980/538/760 | 980/538/760 | | |
| aj s | 8.1 | Type of drive control | | AC | AC | | |
| Det | 8.2 | Operating pressure for attachments | Mpa | 17. 5 | 17. 5 | | |
| Other Details | 8,3 | Oil volume for attachments | I/min | 36 | 36 | | |
| Ó | 8.4 | Sound level at driver's ear according to EN 12 053 | dB(A) | 72 | 73 | | |

| | Mast Table N20-25 | | | | | | | |
|--------------|----------------------|-----------|-----------------------------|-------------------------------|---------------------------|---|------|--|
| Designtion | Lift height | Free Lift | Closed mast height h1 | Extended mast height h4 | Tilt forward/ backward | without sideshift single pneumatic tyres | | |
| Doolgitton | mm | mm | mm | mm | α/β(°) | N20 | N25 | |
| | 2000 | 120 | 1545 | 2977 | 6/10 | 2000 | 2500 | |
| | 2500 | 120 | 1795 | 3227 | 6/10 | 2000 | 2500 | |
| | 3000 | 120 | 2045 | 3977 | 6/10 | 2000 | 2500 | |
| | 3300 | 120 | 2195 | 4277 | 6/10 | 2000 | 2500 | |
| Two-stage ZT | 3500 | 120 | 2295 | 4477 | 6/10 | 2000 | 2500 | |
| | 3600 | 120 | 2345 | 4577 | 6/10 | 2000 | 2500 | |
| | 3700 | 120 | 2395 | 4677 | 6/6 | 2000 | 2500 | |
| | 4000 | 120 | 2595 | 5077 | 6/6 | 2000 | 2500 | |
| | 4300 | 120 | 2745 | 5377 | 6/6 | 1850 | 2100 | |
| | 4500 | 120 | 2845 | 5577 | 6/6 | 1700 | 2000 | |
| | 5000 | 120 | 3145 | 6077 | 6/6 | 1400 | 1600 | |
| | 5500 | 120 | 3395 | 6677 | 3/6 | 1050 | 1200 | |
| | 6000 | 120 | 3645 | 7177 | 3/6 | 700 | 800 | |
| | 2000 | 558 | 1545 | 2971 | 6/10 | 2000 | 2500 | |
| | 2500 | 808 | 1795 | 3471 | 6/10 | 2000 | 2500 | |
| | 3000 | 1058 | 2045 | 3971 | 6/10 | 2000 | 2500 | |
| | 3300 | 1208 | 2195 | 4271 | 6/10 | 2000 | 2500 | |
| | 3500 | 1308 | 2295 | 4471 | 6/10 | 2000 | 2500 | |
| | 3600 | 1358 | 2345 | 4571 | 6/10 | 2000 | 2500 | |
| Two-stage ZZ | 3700 | 1408 | 2395 | 4671 | 6/6 | 2000 | 2500 | |
| | 4000 | 1608 | 2595 | 4971 | 6/6 | 2000 | 2500 | |
| | 4300 | 1758 | 2745 | 5271 | 6/6 | 1850 | 2100 | |
| | 4500 | 1858 | 2845 | 5471 | 6/6 | 1700 | 2000 | |
| | 5000 | 2158 | 3145 | 5971 | 6/6 | 1400 | 1600 | |
| | 5500 | 2408 | 3395 | 6471 | 3/6 | 1050 | 1150 | |
| | 6000 | 2658 | 3645 | 6971 | 3/6 | 700 | 800 | |
| | 4000 | 983 | 1970 | 4981 | 6/6 | 1900 | 2300 | |
| | 4300 | 1108 | 2095 | 5331 | 6/6 | 1700 | 2000 | |
| | 4500 | 1158 | 2145 | 5479 | 6/6 | 1600 | 1900 | |
| | 4800 | 1258 | 2245 | 5779 | 6/6 | 1400 | 1600 | |
| | 5000 | 1401 | 2388 | 5979 | 6/6 | 1300 | 1500 | |
| | 5500 | 1635 | 2622 | 6479 | 3/6 | 1000 | 1150 | |
| | 6000 | 1868 | 2855 | 6979 | 3/6 | 700 | 800 | |



