

**NOBLIFT**

**Emissions-free**

**Efficiency for **every** use!**

**Safety**

**Efficiency**

**Performance**

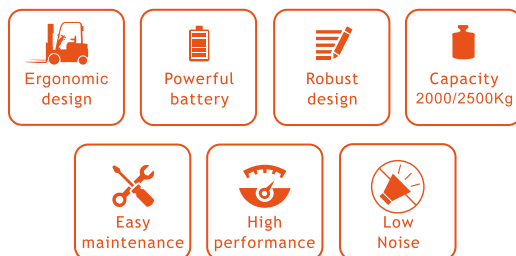


# N20-25



## 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 friendly.



- 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



**Easy maintenance and high stability**

- A+B.** The fully-openable top seat cover and the side-openable construction makes battery-maintenance easier and faster for regular maintenance. For multi-shift operations, the battery can be easily replaced from the side by a manual pallet truck or electric pallet truck easily and safely, no crane, forklift or other special tools required for battery replacement.
- C.** The fully sealed cover for the controller at the rear counterweight part ensures high protection of the controller and other electric components against the dust and water, and the openable cover is easy and fast for maintenance.
- D.** Equipped with big LED display with error code and false operation warning can easily monitor the running condition of the forklift.
- E.** Drive motor is arranged paralleled as international leaders do, the battery is located at the bottom of the chassis of the forklift which gives great stability with low gravity center.







▶ **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.



▶ **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.

**Reliability and Safety**

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 anti-slipping. Operation sequence protection and electronic self-protection function, Emergency power off switch as standard configuration, meets the European safety norms.

**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.



Excellent appearance design

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.



Energy-saving

Standard equipped with LED lights, saving energy more than 80%;



Excellent ergonomic design

The ergonomically designed inclining adjustable small-diameter steering wheel and combined switches as cars makes the driver easy to operate, and the back-and-forth adjustable seat allows the operator to select the optimum driving position. Big hand holder can meet the needs of operators with different heights, and more comfortable; Super low torque steering gear, steering more light;

High Efficiency and Energy-saving

Different speed mode to choose for different applications under different environments  
Standard DC converter is balanced using batteries, extending battery life.  
High efficiency AC power system, complete protection, comes with speed sensor, temperature sensor, greatly improves reliability and life expectancy.  
Special tire patterns for electric forklifts, energy-saving more than 10% for driving (optional).



Excellent visibility thanks to optimized mast concept

With its optimized mast concept and arrangement with the hydraulic pipes as well as the other parts, together with the big opening of the fork carriage size, the operator view is much better and comfortable for operation.  
Big arch overhead cabin guard, and the grid plates with the best angle, the driver's view through the above cabin is much increased.  
Small-diameter steering wheel and other instrument located further right, reducing the height of the instrument bench, effectively increasing the visibility of the fork tip and goods.

Identification	1.1 Manufacture (abbreviation)		Nobellift	Nobellift	
		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 wheelbase	X(mm)	463	468	
	1.9	y(mm)	1500	1500	
Weights	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
Chassis	2.3 Axle loading, unladen front/rear		Kg	2060/2150	1940/2320
	3.1 Type: solid rubber, superelastic, pneumatic, polyurethane		superelastic	superelastic	superelastic
Wheels	3.2 Tyres size, front		23 × 9-10-18PR	23 × 9-10-18PR	
	3.3 Tyres size, rear		18 × 7-8-14PR	18 × 7-8-14PR	
Basic Dimensions	3.5 Wheels, number front/rear (x=driven wheels)		2 × /2	2 × /2	
	3.6 Track width, front		b10(mm)	1040	1040
Wheels	3.7 Track width, rear		b11(mm)	950	950
	4.1 Mast/fork carriage tilt forward/backward		α/β(°)	6/10	6/10
Basic Dimensions	4.2 lowered mast height		h1(mm)	2045	2045
	4.3 Free lift		h2(mm)	120	120
Basic Dimensions	4.4 Lift height		h3(mm)	3000	3000
	4.5 Extended mast height		h4(mm)	3977	3977
Basic Dimensions	4.7 Overhead load guard height		h6(mm)	2190	2190
	4.8 Seat height/standing height		h7(mm)	1058	1058
Basic Dimensions	4.12 Coupling height		h10(mm)	295	295
	4.19 Overall length		l1(mm)	3393	3393
Basic Dimensions	4.20 Length to face of forks		l2(mm)	2323	2328
	4.21 Overall width		b1(mm)	1260	1260
Basic Dimensions	4.22 Fork dimensions		s/e/l(mm)	40/120/1070	40/120/1070
	4.24 Fork carriage width		b3(mm)	1040	1040
Basic Dimensions	4.31 Ground clearance, laden, under mast		m1(mm)	110	110
	4.32 Ground clearance, centre of wheelbase		m2(mm)	120	120
Basic Dimensions	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
Basic Dimensions	4.35 Turning radius		Wa(mm)	2050	2050
	5.1 Travel speed, laden/unladen		Km/h	13/14	13/14
Performance Data	5.2 Lift speed, laden/unladen		m/s	0.26/0.4	0.25/0.39
	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
	5.6 Max. drawbar pull, laden/unladen S2 5 min		N	10000/7000	10000/7000
Performance Data	5.8 Max. Gradient performance, laden/unladen S2 5 min		%	13/15	13/15
	5.10 Service brake		Hydraulic	Hydraulic	Hydraulic
E-Motor	6.1 Drive motor rating S2 60 min		KW	11	11
	6.2 Lift motor rating at S3 15%		KW	8.6	8.6
E-Motor	6.3 Battery standard		BS	BS	BS
	6.4 Battery voltage, nominal capacity K5		V/Ah	48/600 48/630	48/600 48/630
E-Motor	6.5 Battery weight		Kg	48/700 947	48/700 947
	6.5 Battery dimensions l/w/h		mm	980/538/760	980/538/760
Other Details	8.1 Type of drive control		AC	AC	AC
	8.2 Operating pressure for attachments		Mpa	17.5	17.5
Other Details	8.3 Oil volume for attachments		l/min	36	36
	8.4 Sound level at driver's ear according to EN 12 053		dB(A)	72	73

Designation	Lift height h3 mm	Free Lift h2 mm	Mast Table N20-25		Tilt forward/ backward α / β ( ° )	Capacity table(kg) C=500mm	
			Closed mast height h1 mm	Extended mast height h4 mm		without sideshift single pneumatic tyres	
						N20	N25
Two-stage ZT	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
	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
Two-stage ZZ	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
	3700	1408	2395	4671	6/6	2000	2500
Performance Data	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	
5000	1258	2245	5779	6/6	1400	1600	
5500	1401	2388	5979	6/6	1300	1500	
6000	1635	2622	6479	3/6	1000	1150	
		1868	2855	6979	3/6	700	800