

## Standard Equipment/Optional Equipment

### Standard Equipment

Safe, comfortable operator compartment with unique "U" shaped platform linking: backrest, platform and console  
 Power assisted steering with variable steering resistance  
 Positive steering (drive wheel) feedback  
 Automatic and adjustable speed reduction when cornering  
 3 kW AC motor (maintenance free)  
 Automatic electric braking  
 Electromagnetic emergency brake  
 Key switch or log-in PIN code  
 Dedicated work station (with storage compartments)

Adjustable console and twin grip steering control  
 CAN bus technology  
 Multifunction backlit instrument display: Safety alarm, maintenance check indicator, battery charge level, hour Meter  
 Cushion rubber drive wheel  
 Load wheels  
 Vertical battery change (3 or 4 PzS)  
 Horn  
 Protection to -10°C

### Optional Equipment

Support for data terminal, clipboard and barcode reader (Pack n°2)  
 Front working lights (LED)  
 Drive wheel: polyurethane, cushion non-marking or wet grip  
 Non-marking cushion rubber drive & load wheels  
 Wet grip drive wheel & cushion load wheels  
 Biometric truck access  
 Inching buttons

Side battery change (3 or 4 PzS)  
 Fixed battery stand for side battery change (1 or 2 batteries)  
 Speed reduction when initial lift lowered  
 3 meter extension battery cable  
 Cold store version to -35°C  
 Other options available on request



Ground Level Order Picker  
 Capacity 2000 kg  
 N20 C

Series 1111

### Safety

The design of the order picker ensures that the operator remains well protected within the truck contours while driving. The ergonomic twin grip steering control incorporates a wrap-around hand guard and the front steel bumper ensure excellent safety for both operator and machine.

### Performance

Powered by an AC motor of 3kW output mounted for a 5 points ground contact configuration, the N20 C remains steady to reach a top speed of 12 km/h. These performances enhance productivity in long transfers applications.

### Comfort

Precision working at the highest level of performance calls for a high level of operator comfort. These order picker provide a fully suspended and damped "U" shape platform. The 3 main operator and machine contacts are linked together: backrest, platform and console. By this, the N20 C concept provides a superior driving experience over long distances or uneven floors.

### Reliability

The robustness of the steering control, the high quality steel chassis ensure reliable operation over long periods of time. Highly durable electronic components also contribute to increased truck life as well as improved performances.

### Service

Efficiency at work, efficiency at the cost level. CAN bus connection enables all truck data to be read out for inspection when servicing becomes due at intervals of 1,000 operating hours. Easy accessibility of all components and the maintenance free AC technology employed play an additional part in keeping truck uptime up.

## Features

### Ultimate driving feeling

- The unique "U" shaped operator's compartment links: console – platform –backrest
- It is fully suspended leading to an exceptional driving feel
- Adjustable console and steering control
- Ergonomic, robust chassis with enclosed and protected load wheels
- Wide platform access
- Low stepping height
- Three points contact configuration and two fixed castor wheels for a perfect traction

### Storage / Equipments

- Deep standard compartment under backrest
- Storage compartment on the console to store pencils, adhesive tape...
- Wide compartments under the console for wrapping paper



### CAN bus connectivity

- Electronic management of all components for rapid and easy diagnosis
- All performance parameters can be configured exactly by the service technician to suit each individual application

### Power steering

- Proportional, self centring, power-assisted steering for effortless, precise operations
- Adjustable steering resistance and positive steering feedback ensures the truck is always on track
- Automatic speed reduction when cornering



### Drive system

- Powerful, smooth-running 3 kW (at 100% performance) AC motor
- Moisture- and dust-proof motor, maintenance free
- Gradeability 13% fully loaded
- No rollback on uphill starting
- Forceful acceleration takes truck to top speed within 5 metres
- Top speed of 12 km loaded as unloaded

### Console and twin grip steering control

- Ergonomically designed console incorporates steering control, clipboard, emergency isolator, CAN bus plug and Linde Digital Information Display
- Adjustable in height, the console provide controls and instrumentation all within easy reach
- All main control functions are integrated into one handle
- Optimum protection for both hands



### Brakes

- Automatic braking on releasing the travel switch
- Well controllable braking on reversing direction of travel
- Electromagnetic braking initiated by the emergency stop button acts on the drive motor, proportional to the load carried



### Batteries for every need

- Vertical battery change as standard, optional side battery change left or right
- Wide range of batteries from 270 Ah (3PzS) to 500 Ah (4PzS)
- Battery locking system for side change option secures battery in compartment and ease battery changing

# Technical Data according to VDI 2198

Characteristics			
1.1	Manufacturer		LINDE
1.2	Model designation		<b>N20C</b>
1.3	Power unit		Battery
1.4	Operation		Order Picker
1.5	Load capacity	Q (t)	2.0
1.6	Load centre	c (mm)	600
1.8	Axle centre to fork face	x (mm)	963 / 902 <sup>1)</sup>
1.9	Wheelbase	y (mm)	2200 <sup>2)</sup> 3)
Weights			
2.1	Service weight	(kg)	1212 <sup>4)</sup>
Dimensions			
4.4	Lift	h3 (mm)	125
4.15	fork height, lowered	h13 (mm)	86
4.19	Overall length	l1 (mm)	2580 <sup>5)</sup>
4.21	Overall width	b1/b2 (mm)	790 <sup>5)</sup>
4.22	Fork dimensions	s/e/l (mm)	- x 165 x 1150 <sup>5)</sup>
4.25	Fork spread, min/max	b5 (mm)	560
4.32	Ground clearance, centre of wheelbase	m2 (mm)	30
4.33	Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	2582 <sup>6)</sup>
4.34	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	2782 <sup>6)</sup>
4.35	Turning radius	Wa (mm)	2345
Performance			
5.1	Travel speed, with/without load	(km/h)	12 / 10; (10 / 10) <sup>7) 8)</sup>
5.2	Lifting speed, with/without load	(m/s)	0.031 / 0.039 <sup>9)</sup>
5.3	Lowering speed, with/without load	(m/s)	0.076 / 0.073 <sup>9)</sup>
5.8	Maximum climbing ability, with/without load	(%)	-
5.9	Acceleration time, with/without load	(s)	- <sup>9)</sup>
5.10	Service brake		Electro-magnetic
Drive			
6.1	Drive motor, 60 minute rating	(kW)	3
6.2	Lift motor rating at S3 15%	(kW)	1.7
6.3	Battery according to DIN 43531/35/36 A,B,C,no		43 535 / B
6.4	Battery voltage/rated capacity (5h)	(V/Ah)	24 / 500
6.5	Battery weight (± 5%)	(kg)	485
6.6	Power consumption according to VDI cycle	(kWh/h)	-
Others			
8.1	Type of drive control		LAC
8.4	Noise level at operator's ear	(dB(A))	< 70.0

1) Forks upraised / lowered  
 2) ± 0 mm = 3 PzS lateral; <br/>+100 mm = 3 PzS vertical and 4 PzS lateral; <br/>+150 mm = 4 PzS vertical.  
 3) (± 5 mm)  
 4) (± 10%)  
 5) (± 5 mm)  
 6) Including a 200 mm (min.) operating aisle clearance.  
 7) (± 5%)  
 8) forward; (backward)

