

Order Picker

N16 Li

Capacity 0.8 t | Series 1115

Maneuverable picking assistant

- → Operator's platform in front of the battery ensures maximum maneuverability and a clear view of the warehouse environment
- → Small turning circle facilitates excellent maneuvering in narrow aisles
- → Liftable forks enable order picking at ergonomic height
- → Fully suspended operator's platform reduces vibrations and shocks while driving





TECHNICAL DATA (According to VDI 2198)

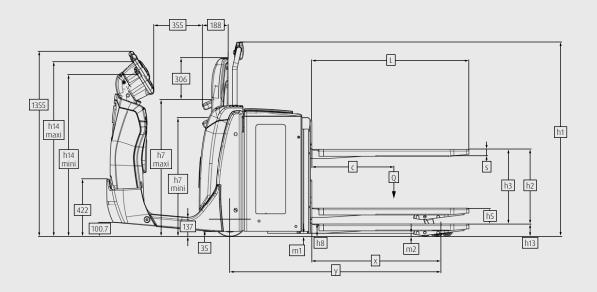
1.1	Manufacturer		Linde
1.2	Model		N16 Li
1.2.a	Series		1115-00
1.3.	Power Unit		Battery
1.4	Operation		Preparation
1.5	Load capacity/Load, main lift only; main lift/initial lift; initial lift only	Q (t)	0.8; 1.6 1)
1.6	Load centre	c (mm)	600
1.8	Axle centre to fork face	x (mm)	945 / 875 2) 3)
1.9	Wheelbase	y (mm)	1546/1476 ^{2) 4)}
2.1	Service weight	(kg)	1282
2.2	Axle load with load, front/rear	(kg)	1322/1553
2.3	Axle load without load, front/rear	(kg)	1041/241 ²⁾
3.1	Tyres rubber, SE, pneumatic, polyurethane		R + P/P; P + P/P
3.2	Tyre size, front		ø 254 x 102
3.3	Tyre size, rear		2x ø 85 x 60 (ø 85 x 85) ⁵⁾
3.4	Additional wheels		2x ø 140 x 50
3.5	Wheels, number front/rear (x = driven)		1x + 1/2 (1x + 1/4) 5)
3.6	Track width, front	b10 (mm)	491
3.7	Track width, rear	b11 (mm)	380
4.2	Height of mast, lowered	h1 (mm)	1422
4.3	Free lift	h2 (mm)	550
4.4	Lift	h3 (mm)	550
4.6	Initial lift	h5 (mm)	115
4.8	Height of seat/stand on platform	h7 (mm)	867/1000
4.10	Height of wheel arms	h8 (mm)	80
4.15	Height at the end of the forks in the lowered position	h13 (mm)	86
4.19	Overall length	l1 (mm)	2655 ⁴⁾
4.20	Length to fork face	I2 (mm)	1505 ⁴⁾
4.21	Overall width	b1 (mm)	800
4.22	Fork dimensions	s/e/I (mm)	50/180/1150
4.23	Load arm dimensions	s/e/I (mm)	75/150/1115
4.24	Width of fork carriage	b3 (mm)	559
4.25	Width over forks	b5 (mm)	560
4.26	Internal width of the load arm	b4 (mm)	255
4.31	Ground clearance, below mast	m1 (mm)	20/145 2)
4.32	Ground clearance, centre of wheelbase	m2 (mm)	20/145 2)
4.32	Load dimensions b12 x l6		800 x 1200 lengthwise
		b12 x l6 (mm) Ast (mm)	2997 / 2972 ^{4) 7)}
4.34	Aisle width with predetermined load dimensions		
4.34.1	Aisle width with pallet 1000 x 1200 across forks	Ast (mm)	3124/3095 4)7)
4.34.2	Aisle width with pallet 800 x 1200 across forks	Ast (mm)	3211/3176 4)7)
4.35	Turning radius	Wa (mm)	2450 / 2380 4)
5.1	Travel speed, with/without load	(km/h)	10/12
5.1.1	Travel speed, backward, with/without load	(km/h)	10
5.2	Lifting speed, initial lift, with/without load	(m/s)	0.06/0.07
	Lifting speed, main lift, with/without load	(m/s)	0.16 / 0.32
5.3	Lowering speed, initial lift, with/without load	(m/s)	0.06/0.08
	Lowering speed, main lift, with/without load	(m/s)	0.17 / 0.19
5.8	Climbing ability, with/without load	(%)	16/20
5.9	Acceleration time (10 m), with/without load	(s)	5.6/4.9
5.10	Service brake		Electro-hydraulic
6.1	Drive motor rating S2 60 min	(kW)	3.0
6.2	Lift motor rating at S3 5 %	(kW)	2.2
6.3	Battery according to DIN 43535/36 A/B/C/no		45535 (3 PzS Lateral Change)
6.4	Battery voltage/capacity (5 h)	(V/Ah)	24/375
6.5	Battery weight (± 10 %)	(kg)	290
6.6	Energy consumption according to VDI cycle normalized	(kWh/h)	0.48
6.7	Turnover output according to VDI cycle	(T/h)	118.4
6.8	Consumption according to turnover output	(kWh/h)	1.63
8.1	Type of drive control		LAC
10.7	Noise level at operator's ear	(dB(A))	< 85
	Level of vibration felt by the operator	(m/s²)	0.7

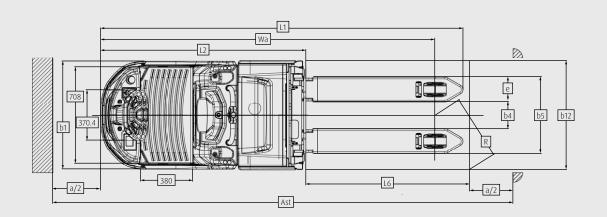
¹⁾ Pallet truck capacity on the fork arms, with initial lift option

- 4) With battery line 6.3 (+ 75 mm for 4 PzS)
- 5) Figures in (): Truck equipped with tandem load wheels
- 7) Ast = Wa + R + a, Safety distance a = 200 mm

²⁾ Low/high position fork arm

³⁾ Value with a Simplex mast





MAST TABLES

SIMPLEX MAST (in mm)

Lift	h3: 550	
Height measurements	h1: 810 h2: 550 h3: 550 h4: 810 h5: 115	
Model		
N16 Li	0	

 \bigcirc Optional equipment – Not available

h1: Height of mast, lowered

h2: Free lift **h3:** Lift

h4: Height of mast, extended

h5: Initial lift



STANDARD AND OPTIONAL EQUIPMENT

	Model/Equipment	N16 Li
	Front casted steel bumper	NIO LI
	Front rubber protection (mounted on the casted steel bumper)	0
Safety	Linde BlueSpot™	0
	Automatic speed reduction when cornering	
	Front feet potection	0
	Mast stop landing (200 mm)	
	Key switch	
	Log in PIN code	0
به		
Service	CAN bus technology	•
s		
	Linde connect	0
Digitalisation	ac: access control PIN	0
	ac: access control RFID	0
	Data transfer Wifi	0
	Data transfer Online	0
	dt: crash detection	0
	an: usage analysis	0
	Bluetooth USB Stick	0
	dt: trouble codes	0
	Inching control (forward only or forward/backward)	0
	Rear initial and mast lift control	•
/- ing	Low Speed if initial lift low	•
Operation / Load Handling	Initial lift electrical stop sensor	
eral J Ha	Soft landing on forks	0
0p .oac	Mast pressure sensor	0
_	Load backrest 1290 mm	0
	Automatic fork lifting (up and down or up only)	0
	Side lift control buttons (up and down, located on both sides of the chassis)	0
Enviro- ment	Cold store -35°C (in/out)	0
	Fully suspended operator compartment	•
	Height adjustable Linde Steering Wheel	0
	Knee protection	
	Multifunction coloured display hour meter, maintenance indication, battery discharge indicator and internal fault code indication	•
ace	Fixed roundly-shaped backrest	
kpla	Height adjustable backrest incl. foldable seating support	0
Work	Front bow	0
>	Vertical central pole	0
	Support data terminal and power supply cable 24 V	0
	Support clipboard DIN A4 and support for scanner	0
	Shrink wrap pole and rear bin	0
	Rear lower storage	0
Attachement / Forks	Fork carriage: 560 mm	•
	Fork length: 1150 mm	•
Atta	Overhang: 188 mm	•
es	Drive wheel polyurethane	•
Ţ.	Drive wheel cushion rubber, non marking and wet grip	0
and	Single load wheels polyurethane	•
Axles and Tyres	Tandem load wheels polyurethane (greasable)	0
A×	Standard castor wheel	•
	Power assisted steering	•
ınd stem	3 kW AC motor (maintenance free)	•
	Electromagnetic braking system	•
S	Battery compartment, side change 3 PzS (345 Ah/375 Ah), incl. ergonomic lever and metal rollers	
ve ar	Butterly comparament, side change 5 125 (545 Mily, mer. ergonomic tever and metal folicis	•
Drive and rake-Syste	Battery compartment, side change 4 PzS (460 Ah/500 Ah), incl. ergonomic lever and metal rollers	0
Drive and Brake-System		

CHARACTERISTICS



Linde BlueSpot™ and front LED light

Safety

- → Three-part brake system adapts flexibly to both the environment and the load weight
- → Electromagnetic service brake coupled to deadman switch and emergency button for maximum safety
- → Hydraulically assisted brake boosts braking performance as load weight increases
- ightarrow The vehicle brakes automatically when the drive control is released
- → Options such as front LED and Linde BlueSpot™ maximize safety in the warehouse



Intuitive Linde steering wheel

Ergonomics

- → Operator's platform with low access for easy boarding and disembarking
- → Operator commissions at back-friendly height thanks to the fork lift
- → Pedestrian operation for convenient control over short distances
- → Height adjustable steering wheel with intuitive controls for easy operation
- → Quick training of new drivers through meaningful symbols on the control elements



Autolift

Handling

- ightarrow 3 kW three-phase AC motor for effective acceleration to a top speed of 12 km/h
- ightarrow High stability due to four-point contact with the ground
- → Initial lift facilitates transport over ramps and uneven surfaces
- → Multifunctional display always informs about the current charge status of the order picker
- → Optional Autolift automatically lifts and lowers forks, eliminating unnecessary movements
- → Depending on application requirements, lead-acid or optionally lithium-ion batteries are available



Front casted steel bumper

Service

- → Up to 1000 operating hours without service check
- → Maintenance-free three-phase AC technology and adjustment-free brakes reduce service effort
- → Service components easily accessible after removal of a service panel
- → Essential vehicle parameters can be read out via CAN bus connection via laptop
- → Robust cast-steel bumper at the front of the vehicle reduces collision damage

Presented by:

Subject to modification in the interest of progress. Illustrations and technical details could include options and not binding for actual constructions. All dimensions subject to usual tolerances.



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