

Order Pickers

N20 XL

Capacity 0.6 t | Series 1115



PB ION

Powerful picking solution

- ightarrow Long forks enable the simultaneous transport of two pallets with a total weight of up to 1.6 t on initial lift
- → Simultaneous preparation of 2x 800 kg pallets on the main lift, which allows pallet height to be adjusted to avoid back strain
- → Operator's platform at front provides a clear view when changing aisles
- → Fully suspended operator's platform provides optimum protection against shock and vibrations

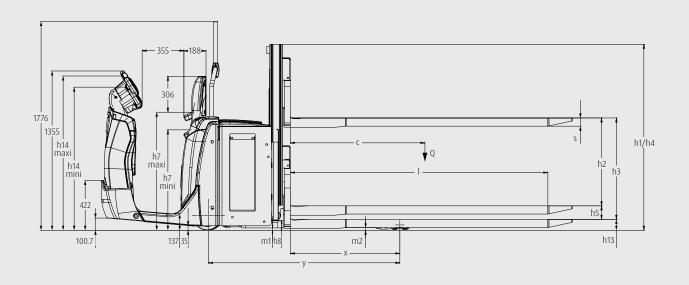
TECHNICAL DATA (according to VDI 2198)

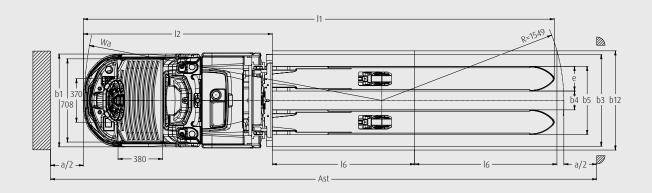
	1.1	Manufacturer (abbreviation)		Linde MH
	1.2	Manufacturer's type designation		N20 XL
S	1.2a	Series		1115-00
Characteristics	1.3	Drive		Battery
cte	1.4	Operation		Order picker
ara	1.5	Rated capacity/rated load	Q (t)	0.6/1.61)
ਤੌ	1.6	Load centre distance	c (mm)	600/1800
	1.8	Load distance, centre of drive axle to fork	x (mm)	862/9322)3)
	1.9	Wheelbase	y (mm)	1565/1635 ²⁾³⁾⁴⁾
Ħ	2.1	Service weight	kg	14775)
įį	2.2	Axle loading, laden front/rear	kg	817/2260 ⁵⁾
Weight	2.3	Axle loading, unladen front/rear	kg	1081/3965)
	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		
S	3.2	Tyre size, front		Ø 254 × 102
assı	3.3	Tyre size, rear		Ø 85 × 60 ⁶⁾
Tyres/chassis	3.4	Additional wheels (dimensions)		Ø 125 × 60
es/	3.5	Wheels, number front/rear (x = driven wheels)		1x + 2/4 ⁶⁾
≥	3.6	Tread, front	b10 (mm)	572 ³⁾
	3.7	Tread, rear	b11 (mm)	370 ³⁾
	4.2	Mast height, lowered	h1 (mm)	14653)
	4.3	Free lift	h2 (mm)	7503)
	4.4	Lift	h3 (mm)	750 ³⁾
	4.5	Mast height, extended	h4 (mm)	
	4.6	Initial lift	h5 (mm)	
	4.8	Seat height relating to SIP/stand height	h7 (mm)	
	4.9	Height drawbar in driving position min./max.	h14 (mm)	
	4.10	Height of wheel arms	h8 (mm)	
	4.15	Height, lowered	h13 (mm)	
2	4.19	Overall length	11 (mm)	
loi:	4.19	Length to fork face	12 (mm)	
ens	4.21	Overall width	b1/b2 (mm)	
Dimensions	4.21	Fork dimensions DIN ISO 2331		
			s/e/I (mm)	
	4.23	Fork carriage ISO 2328, class/type A, B	h2 (mm)	_
	4.24	Fork carriage width	b3 (mm)	
	4.25	Fork spread Distance between wheel some fleading surfaces	b5 (mm)	_
	4.26	Distance between wheel arms/loading surfaces	b4 (mm)	
	4.31	Ground clearance, laden, below mast Ground clearance, centre of wheelbase	m1 (mm)	
	4.32	Load dimension b12 × l6	m2 (mm)	
	4.33		b12 × l6 (mm)	_
	4.34	Aisle width predetermined load dimensions	Ast (mm)	1477 ⁵) 817/2260 ⁵) 1081/396 ⁵) P+2xP/P Ø 254 × 102 Ø 85 × 60 ⁶) Ø 125 × 60 1x + 2/4 ⁶) 572 ³) 1465 ³) 750 ³)
	4.35	Turning radius	Wa (mm)	
	5.1	Travel speed, laden/unladen	km/h	
a)Ce	5.1.1	Travel speed, laden/unladen, backwards	km/h	
naí	5.2	Lifting speed, laden/unladen	m/s	
TO.	5.3	Lowering speed, laden/unladen	m/s	
Pertormance	5.8	Max. gradeability, laden/unladen	%	
	5.9	Acceleration time, laden/unladen	S	
	5.10	Service brake		
	6.1	Drive motor rating S2 60 min	kW	
ə	6.2	Lift motor rating at S3 15%	kw	
ngu	6.3	Battery according to DIN 43531/35/36 A, B, C, no	63.0313	
ما	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) o. kWh	_
Electric-engine	6.5	Battery weight (± 5%)	kg	
<u>н</u>	6.6	Energy consumption according to DIN EN 16796	kWh/h	
	6.7	Turnover output according to VDI 2198	t/h	
mechanism	8.1	Turnover efficiency according to VDI 2198 Type of drive unit	t/kwh	
data	10.7	Sound pressure level LpAZ (at the operator's seat)	dB(A)	< 85

¹⁾ Pallet truck capacity: on the fork arms only; on the fork arms resting on the wheel arms in initial lift position
2) Forks upraised/lowered
3) (± 5 mm)
4) + 75 mm = 4 PzS side change
5) (± 10%)

⁶⁾ Figures in parenthesis with tandem load wheels.
7) (0/-5 mm)
8) Min./max.
9) With optional operator's seat
10) (-0/+5 mm)
11) Forks/Load arms

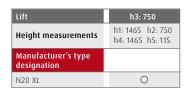
^{12) (± 2} mm)
13) Including a 200 mm (min.) operating aisle clearance
14) Forks upraised
15) (± 5%)
16) Figures in paranthesis = initial lift
17) Lateral change





MAST TABLE

SIMPLEX MAST (in mm)



Optional equipment

h1: Mast height, lowered

h4: Height of mast, extended

h2: Free lift **h5:** Initial lift

h3: Lift



STANDARD AND OPTIONAL EQUIPMENT

	Manufacturer's type designation/equipment	N20 XL
	Front cast steel bumper	NZO XL
	Automatic speed reduction when cornering	
	Linde BlueSpot – visual warning of truck presence integrated in the front top cover	0
>		
Safety	Front rubber protection (mounted on the cast steel bumper)	0
S	Front foot protection	0
	Soft landing of forks (300 mm)	•
	Key switch	•
	Log in PIN code	0
Service	CAN bus technology	•
	Linde connect: desk	0
	ac: access control (PIN or RFID)	
<u>.</u>	dt: crash detection	0
Digitalisation	an: usage analysis	0
itali	Linde connect: cloud	0
Dig	Basic Package (trouble codes, operating hours, truck mapping)	0
	Data transmission Wifi	0
	Data transmission Online	0
P	Initial lift control	
loa g	Initial lift electrical stop sensor	
on/ dlin	Soft landing of forks	0
eration/lo handling	Load backrest height: 1000 mm	0
Operation/load handling	Inching control (forward only or forward/backward)	0
	inclining control (torward only or forward/backward)	0
Environ- ment	Cold store -35 °C (in/out)	0
	Fully suspended operator's compartment	•
	Height adjustable Linde Steering Wheel	0
	Knee protection	•
	Multifunction colour display: hour meter, battery discharge indicator, maintenance and internal fault indication	•
ace	Fixed rounded backrest	•
Workplace	Height adjustable backrest including folding seat	0
Nor	Front bow	0
	Support data terminal and power supply cable 24 V	0
	Support clipboard DIN A4 and support for scanner	0
	Shrink wrap pole	0
	Rear lower storage	0
+	Mast protection: polycarbonate	•
Mast	Mast protection: polycoloonide Mast protection: mesh	0
	Fork carriage width: 580 mm	
Attachment/ forks	Fork length: 2400 mm	
뺡	Load arm length: 1200 mm	
ttac		
	Overhang: 188 mm	
Axles and tyres	Drive wheel polyurethane	0
es a /res	Tandem load wheels polyurethane	0
Axl	Tandem load wheels polyurethane greasable	•
	Standard castor wheel	
	Power-assisted steering	•
e m	3 kW maintenance-free AC motor	
e an syst	Electromagnetic braking system	•
Drive and brake system	Battery compartment, lateral battery change 3 PZS (345 Ah/375 Ah) and 4 PZS (460 Ah/500 Ah), including ergonomic lever and metal rollers	0
D bra	Battery compartment, Li-ION battery available	0
	Li-ION 24 V charger	0

CHARACTERISTICS



Linde BlueSpot and front LED light

Safety

- → Three independent braking systems protect the operator and load
- → Chassis and platform designed without sharp corners protects operator
- → Self-centering electric steering speeds up operation
- → Automatic braking when operator steps off the platform or presses the emergency isolator
- → Additional options such as front LED and Linde BlueSpot maximise safety in the warehouse



Intuitive Linde Steering Wheel

Ergonomics

- → Wide operator's platform with low access step provides easy on/off access
- → Mast lift allows comfortable picking onto 2 pallets avoiding back strain
- → Multiple storage compartments provide space for equipment and personal items
- → Adjustable Linde Steering Wheel provide intuitive operation with clear symbols on all controls
- → Fully suspended operator's platform reduces shocks and vibration in operation



Pedestrian control

Handling

- \rightarrow 3 kW three-phase AC motor for powerful acceleration to a top speed of 12 km/h
- → Lead acid or Li-ION batteries available to suit the application
- \rightarrow Wide pedestrian access to platform eases picking from either side of the aisle
- → Initial lift eases operation over ramps and uneven surfaces



Computerised diagnostic

Service

- → 1000 operating hour service intervals
- → Maintenance-free three-phase AC motor and self-adjusting brakes reduce service costs
- → Motor and battery covers provide easy access to technical compartment
- → Harnesses and cables neatly arranged for ease of maintenance
- ightarrow Truck status and fault history quickly accessed via CAN bus connection
- → Robust cast steel front bumper protects truck chassis and operator's platform from damage

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



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Presented by: