



Order Pickers

N20 B | N20-25 | N20-25 HP

Capacity 2.0 t – 2.5 t | Series 1115

PB

ION

H2

Flexible all-rounder for order picking

- Operator's platform at front provides a clear view when changing aisles
- Short wheelbase provides excellent manoeuvring
- Powerful 3 kW three-phase AC motor allows fast acceleration up to 14 km/h
- Fully suspended operator's platform reduces vibrations and shocks



STANDARD AND OPTIONAL EQUIPMENT

Manufacturer's type designation/equipment		N20 B	N20	N25	N20 HP	N25 HP
Safety	Front cast steel bumper	●	●	●	●	●
	Front rubber protection (mounted on the cast steel bumper)	○	○	○	○	○
	Linde BlueSpot – visual warning of truck presence integrated in the front top cover	○	○	○	○	○
	Automatic speed reduction when cornering	●	●	●	●	●
	Front foot protection	○	○	○	○	○
	Key switch	●	●	●	●	●
	Log in PIN code	○	○	○	○	○
Service	CAN bus technology	●	●	●	●	●
Digitalisation	Linde connect	○	○	○	○	○
	ac: access control PIN	○	○	○	○	○
	ac: access control RFID	○	○	○	○	○
	Data transmission Wifi	○	○	○	○	○
	Data transmission Online	○	○	○	○	○
	dt: crash detection	○	○	○	○	○
	an: usage analysis	○	○	○	○	○
	Bluetooth USB stick	○	○	○	○	○
Operation/ load handling	dt: trouble codes	○	○	○	○	○
	Inching control (forward only or forward/backward)	○	○	○	○	○
	Initial lift control at rear	○	○	○	○	○
	Low speed if initial lift lowered	○	○	○	○	○
	Initial lift electrical stop sensor	●	●	●	●	●
Environment	Load backrest height: 1200 mm or 1800 mm	○	○	○	○	○
	Cold Store protection to -35°C (in/out)	○	○	○	○	○
Workplace	Fully suspended operator's compartment	–	●	●	●	●
	Height adjustable Linde Steering Wheel	–	○	○	○	○
	Basic rounded display	●	–	–	–	–
	Multifunction colour display: hour meter, battery discharge indicator, maintenance and internal fault code indication	–	●	●	●	●
	Fixed rounded backrest	●	●	●	●	●
	Height-adjustable backrest including folding seat	–	○	○	○	○
	Front bow	○	○	○	○	○
	Rear accessory supports	○	○	○	○	○
	Support data terminal and power supply cable 24 V	○	○	○	○	○
	Support clipboard DIN A4 and support for scanner	○	○	○	○	○
	Shrink wrap pole and rear bin	○	○	○	○	○
	Flashing beacon and working lamp	○	○	○	○	○
	Rear lower storage	○	○	○	○	○
Attachment/ forks	Width over forks: 520 mm, 540 mm, 560 mm, 680 mm	○	○	○	○	○
	Fork length: ≤ 1600 mm	○	○	–	○	–
	Fork length: > 1600 mm	○	○	○	○	○
	Overhang: 188 mm, 388 mm	○	○	–	○	–
	Overhang: 563 mm, 588 mm	○	○	○	○	○
Axles and tyres	Drive wheel polyurethane	●	●	●	●	●
	Drive wheel cushion rubber, non marking and wet grip	○	○	○	○	○
	Single load wheels polyurethane	●	●	–	●	–
	Single load wheels (greasable) polyurethane	○	○	–	○	–
	Tandem load wheels polyurethane (greasable)	○	○	○	○	○
	Standard castor wheel	●	●	●	–	–
	Castor wheel with spring and cylinder	–	–	–	●	●
	Hydraulic castor wheels	–	–	–	○	○
Drive and brake system	Power-assisted steering	●	●	●	●	●
	3 kW maintenance-free AC motor	●	●	●	●	●
	Electromagnetic braking system	●	●	●	●	●
	Battery compartment, vertical change 3 PzS (345 Ah/375 Ah) and 4 PzS (460 Ah/500 Ah)	●	●	●	●	●
	Battery compartment, side change 3 PzS (345 Ah/465 Ah), incl. ergonomic lever and metal rollers	○	○	○	○	○
	Battery compartment, side change 4 PzS (460 Ah/620 Ah), incl. ergonomic lever and metal rollers	○	○	○	○	○
	Battery compartment, Li-ION battery 4.5 kWh (205 Ah)/9.0 kWh (410 Ah), incl. side plug for opportunity charging	○	○	○	○	○
	Li-ION 24 V charger	○	○	○	○	○

● Standard equipment

○ Optional equipment

– Not available

TECHNICAL DATA (according to VDI 2198)

Characteristics	1.1	Manufacturer (abbreviation)		Linde MH	Linde MH	Linde MH	Linde MH	Linde MH
	1.2	Manufacturer's type designation		N20 B	N20	N25	N20 HP	N25 HP
	1.2a	Series		1115-00	1115-00	1115-00	1115-00	1115-00
	1.3	Drive		Battery	Battery	Battery	Battery	Battery
	1.4	Operation		Order picker	Order picker	Order picker	Order picker	Order picker
	1.5	Rated capacity/rated load	Q (t)	2.0	2.0	2.5	2.0	2.5
	1.6	Load centre distance	c (mm)	600	600	1200	600	1200
	1.8	Load distance, centre of drive axle to fork	x (mm)	900/970 ¹²⁾	900/970 ¹²⁾	1762/1832 ¹²⁾	900/970 ¹²⁾	1762/1832 ¹²⁾
	1.9	Wheelbase	y (mm)	1346/1416 ²³⁾⁴⁾	1346/1416 ²³⁾⁴⁾	2208/2278 ²³⁾⁴⁾	1346/1416 ²³⁾⁴⁾	2208/2278 ²³⁾⁴⁾
Weight	2.1	Service weight	kg	943 ³⁾	943 ³⁾	986 ³⁾	1057 ³⁾	1110 ³⁾
	2.2	Axle loading, laden front/rear	kg	1293/1650 ³⁾	1293/1650 ³⁾	1493/1993 ³⁾	1376/1681 ³⁾	1636/1974 ³⁾
	2.3	Axle loading, unladen front/rear	kg	811/132 ³⁾	811/132 ³⁾	831/155 ³⁾	925/132 ³⁾	955/155 ³⁾
Tyres/chassis	3.1	Tyres: solid rubber, superelastic, pneumatic, polyurethane		R+P/P	R+P/P	R+P/P	R+P/P	R+P/P
	3.2	Tyre size, front		Ø 254 × 102	Ø 254 × 102	Ø 254 × 102	Ø 254 × 102	Ø 254 × 102
	3.3	Tyre size, rear		Ø 85 × 105 (Ø 85 × 80) ⁶⁾	Ø 85 × 105 (Ø 85 × 80) ⁶⁾	Ø 85 × 80	Ø 85 × 105 (Ø 85 × 80) ⁶⁾	Ø 85 × 80
	3.4	Auxiliary wheels (dimensions)		2x Ø 140 × 50	2x Ø 140 × 50	2x Ø 140 × 50	2x Ø 125 × 60	2x Ø 125 × 60
	3.5	Wheels, number front/rear (x = driven wheels)		1x + 1/2 (1x + 1/4) ⁶⁾	1x + 1/2 (1x + 1/4) ⁶⁾	1x + 1/4 ⁶⁾	1x + 2/2 (1x + 2/4) ⁶⁾	1x + 2/4 ⁶⁾
	3.6	Tread, front	b10 (mm)	491 ²⁾	491 ²⁾	491 ²⁾	572 ²⁾	572 ²⁾
	3.7	Tread, rear	b11 (mm)	355 (375/395/515) ³⁾	355 (375/395/515) ³⁾	355 (375/395/515) ³⁾	355 (375/395/515) ³⁾	355 (375/395/515) ³⁾
Dimensions	4.4	Lift	h3 (mm)	115	115	115	115	115
	4.8	Seat height relating to SIP/stand height	h7 (mm)	-	867/1000 ¹⁴⁾	867/1000 ¹⁴⁾	867/1000 ¹⁴⁾	867/1000 ¹⁴⁾
	4.15	Height, lowered	h13 (mm)	85 ⁷⁾	85 ⁷⁾	85 ⁷⁾	85 ⁷⁾	85 ⁷⁾
	4.19	Overall length	l1 (mm)	2500 ²⁾⁴⁾	2500 ²⁾⁴⁾	3750 ²⁾⁴⁾	2500 ²⁾⁴⁾	3750 ²⁾⁴⁾
	4.20	Length to fork face	l2 (mm)	1350 ²⁾⁴⁾	1350 ²⁾⁴⁾	1350 ²⁾⁴⁾	1350 ²⁾⁴⁾	1350 ²⁾⁴⁾
	4.21	Overall width	b1/b2 (mm)	790 ²⁾	790 ²⁾	790 ²⁾	790 ²⁾	790 ²⁾
	4.22	Fork dimensions DIN ISO 2331	s/e/l (mm)	55/165/1150	55/165/1150	55/165/2400	55/165/1150	55/165/2400
	4.24	Fork carriage width	b3 (mm)	-	-	711	-	711
	4.25	Fork spread	b5 (mm)	520 (540/560/680) ²⁾	520 (540/560/680) ²⁾	520 (540/560/680) ²⁾	520 (540/560/680) ²⁾	520 (540/560/680) ²⁾
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	145/30 ¹⁰⁾⁸⁾	145/30 ¹⁰⁾⁸⁾	145/30 ¹⁰⁾⁸⁾	145/30 ¹⁰⁾⁸⁾	145/30 ¹⁰⁾⁸⁾
	4.33	Load dimension b12 × l6	b12 × l6 (mm)	1200 × 800	1200 × 800	2x 1200 × 800	1200 × 800	2x 1200 × 800
	4.34	Aisle width predetermined load dimensions	Ast (mm)	3058 ⁴⁾⁹⁾¹⁰⁾	3058 ⁴⁾⁹⁾¹⁰⁾	3931 ⁴⁾⁹⁾¹⁰⁾	3058 ⁴⁾⁹⁾¹⁰⁾	3931 ⁴⁾⁹⁾¹⁰⁾
	4.34.1	Aisle width for pallets 1000 × 1200 crossways	Ast (mm)	3058 ⁴⁾⁹⁾¹⁰⁾	3058 ⁴⁾⁹⁾¹⁰⁾	-	3058 ⁴⁾⁹⁾¹⁰⁾	-
	4.34.2	Aisle width for pallets 800 × 1200 lengthways	Ast (mm)	2950 ⁴⁾⁹⁾¹⁰⁾	2950 ⁴⁾⁹⁾¹⁰⁾	-	2950 ⁴⁾⁹⁾¹⁰⁾	-
	4.35	Turning radius	Wa (mm)	2250/2320 ¹⁴⁾	2250/2320 ¹⁴⁾	3110/3180 ¹⁴⁾	2250/2320 ¹⁴⁾	3110/3180 ¹⁴⁾
Performance data	5.1	Travel speed, laden/unladen	km/h	10/12 ¹¹⁾	10/12 ¹¹⁾	10/12 ¹¹⁾	12/14 ¹¹⁾	12/14 ¹¹⁾
	5.1.1	Travel speed, laden/unladen, backwards	km/h	10/10 ¹¹⁾	10/10 ¹¹⁾	10/10 ¹¹⁾	10/10 ¹¹⁾	10/10 ¹¹⁾
	5.2	Lifting speed, laden/unladen	m/s	0.06/0.07 ³⁾	0.06/0.07 ³⁾	0.06/0.07 ³⁾	0.06/0.07 ³⁾	0.06/0.07 ³⁾
	5.3	Lowering speed, laden/unladen	m/s	0.06/0.08 ³⁾	0.06/0.08 ³⁾	0.06/0.08 ³⁾	0.06/0.08 ³⁾	0.06/0.08 ³⁾
	5.8	Max. gradeability, laden/unladen	%	13.0/16.0	13.0/16.0	13.0/14.0	15.0/20.0	13.0/20.0
	5.9	Acceleration time, laden/unladen	s	5.8/4.5	5.8/4.5	5.8/4.5	5.8/4.6	5.8/4.6
Electric-engine	5.10	Service brake		Electric/hydraulic	Electric/hydraulic	Electric/hydraulic	Electric/hydraulic	Electric/hydraulic
	6.1	Drive motor rating S2 60 min	kW	3	3	3	3	3
	6.2	Lift motor rating at S3 15%	kW	1.2	1.2	1.5	1.2	1.5
	6.3	Battery according to DIN 43531/35/36 A, B, C, no		43 535/3PzS ¹²⁾	43 535/3PzS ¹²⁾	43 535/3PzS ¹²⁾	43 535/3PzS ¹²⁾	43 535/3PzS ¹²⁾
	6.4	Battery voltage/nominal capacity K5	(V)/(Ah) o. kWh	24/375	24/375	24/375	24/375	24/375
	6.5	Battery weight (± 5%)	kg	272/315 ¹³⁾	272/315 ¹³⁾	272/315 ¹³⁾	272/315 ¹³⁾	272/315 ¹³⁾
	6.6	Energy consumption according to DIN EN 16796	kWh/h	0.5	0.5	0.48	0.52	0.66
	6.7	Turnover output according to VDI 2198	t/h	136.0	136.0	162.5	136.0	162.5
	6.8	Turnover efficiency according to VDI 2198	t/kWh	93	93	114	79	82
Drive/lifting mechanism	8.1	Type of drive unit		LAC	LAC	LAC	LAC	LAC
Additional data	10.7	Sound pressure level LpAZ (at the operator's seat)	dB(A)	< 85	< 85	< 85	< 85	< 85

1) Forks upraised/lowered

2) (± 5 mm)

3) With/without initial lift

4) ± 0 mm = 3 PzS lateral; +100 mm = 3 PzS vertical and 4 PzS lateral; +150 mm = 4 PzS vertical

5) (± 10%)

6) Figures in parenthesis with tandem load wheels

7) (-0/+5 mm)

8) (± 2 mm)

9) Including a 200 mm (min.) operating aisle clearance

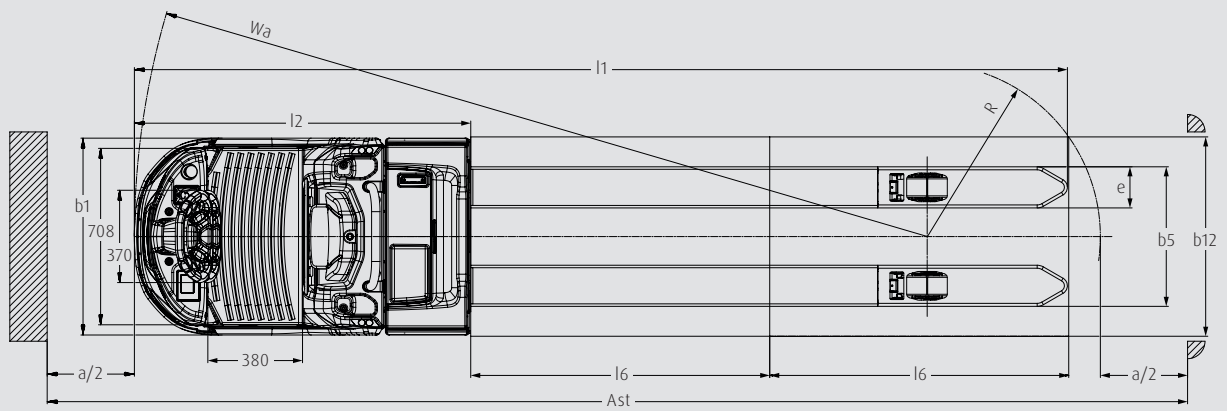
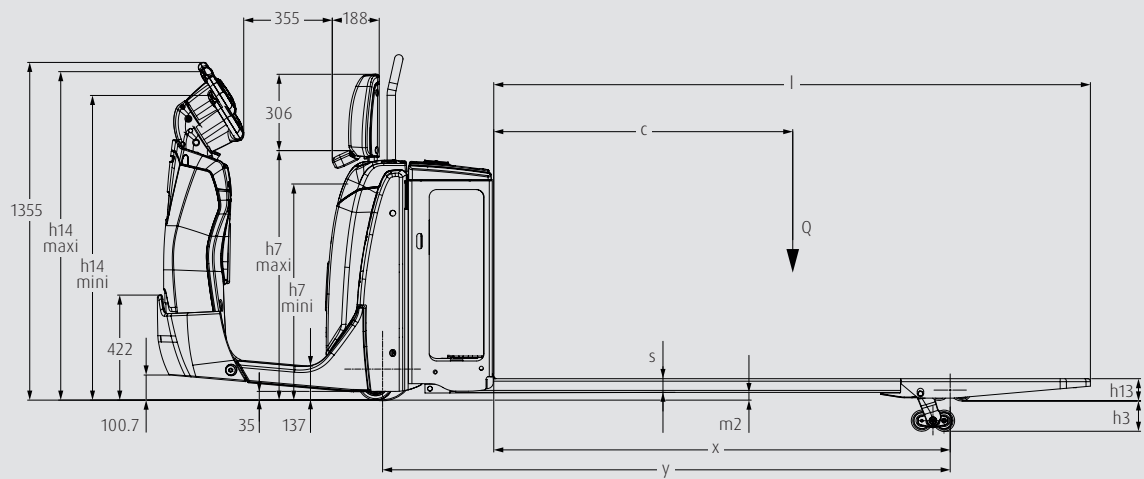
10) Forks upraised

11) (± 5%)

12) Lateral change

13) Min./max.

14) With optional operator's seat



CHARACTERISTICS



Linde BlueSpot and front LED light

Safety

- Operator's platform at front provides a clear view when changing aisles
- Front LED and optional Linde BlueSpot provide visual warning of vehicle's approach for co-workers
- Three independent braking systems react to both the environment and the load weight



Height-adjustable backrest with foldable seating support

Ergonomics

- Fully suspended operator's platform with low on/off access step
- Fully suspended operator's platform reduces vibration and shocks for the operator
- Height-adjustable backrest with folding seat increases comfort on long transfers
- Grab handle behind backrest provides additional support when reversing
- Multiple storage compartments provide space for equipment and personal items



Intuitive Linde Steering Wheel

Handling

- 3 kW three-phase AC motor for powerful acceleration to 14 km/h top speed
- Linde Steering Wheel and integrated controls can be operated by one hand
- Intuitive symbols on all controls aid fast familiarization
- Lead acid or Li-ION batteries available to suit application
- Multifunction display provides current charge status of truck battery
- Initial lift eases operation over ramps and uneven surfaces



Front cast steel bumper

Service

- 1000 operating hour service intervals
- Maintenance-free three-phase AC motors and self-adjusting brakes reduce service costs
- Service components readily accessible behind easily removed service panel
- Essential vehicle parameters can be checked or changed via a laptop
- Robust cast steel bumper at the front protects chassis and operator's platform from collision 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.