Order Picker Linde

Electric Medium-Level Order Picker (5021 Series)

V10 Capacity 1000 kg

Features

Two versions are available
- Model V 10-01 with fixed forks welded to the operator platform, for working with walk on pallets
- Model V 10-02 with supplementary lift on operator platform, forks welded to fork carriage. Pallet can be raised to most convenient working level for picking. Optimum matching of lift carriage minimizes dead space to allow full utilization of pallet surface area

Control concept
- Simple ergonomic controls allow precise, accurate operation reducing driver fatigue and increasing throughput
- Simultaneous traction and lifting/lowering
- Safe two handed operation ensured by integrated sensors

Operators compartment
- Cab is suspension-mounted and has a floor designed to absorb shock and vibration
- Lighting to illuminate racks, load and/or cab
- Storage compartments, pen holders and space for bottles, cans or tools integrated in cab lining
- Radio preparation, fans, preparation for data terminals and scanners

LSC
- Stepless automatic adjustment of speed depending on steering angle and lift height
- Highly efficient use of energy and energy recovering

Modular concept
- Unique modular design allows the perfect specification for each application
- Combination of different lift motors, chassis, masts, batteries, cabins, etc. to suit every application
- Side guide rollers can be fitted for narrow aisle working

Display
- Easily seen LED or optional LCD display
- All relevant functions clearly displayed to operator
- Auxiliary functions such as rail guidance or battery lock indication incorporated into control console

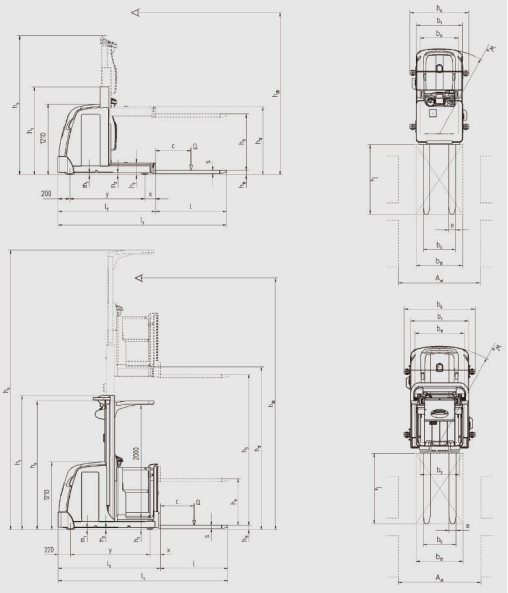
Drive and lift
- Robust, economical high performance traction and lift motors are fitted as standard
- Optional lift motor sizes (3 options for light, standard and heavy duty applications) allow truck performance to be matched to customer requirements

Safety
- Two handed operation of controls via touch sensors ensures safety
- All traction and lift functions interlocked through deadman's switch and integrated 2 handed operation
- Automatic speed reduction when turning
- Emergency lowering under rear hood readily accessible in aisle

Characteristics	1.1	Manufacturer		LINDE	LINDE
	1.2	Model desgination		**V10 Simplex mast** 1)	**V10 Standard mast** 1)
	1.3	Power unit		Battery	Battery
	1.4	Operation		Order Picker	Order Picker
	1.5	Load capacity	Q (t)	1.0	1.0
	1.6	Load centre	c (mm)	400	400
	1.8	Axle centre to fork face	x (mm)	190	190
	1.9	Wheelbase	y (mm)	1270	1415
Weights	2.1	Service weight	(kg)	1754 2)	2611 2)
	2.2	Axle load with load, front/rear	(kg)	589 / 2165 2)	1080 / 1531 2)
	2.3	Axle load without load, front/rear	(kg)	1054 / 700 2)	1497 / 1114 2)
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane		Polyurethane	Polyurethane
	3.2	Tyre size, front		Ø 250 x 100	Ø 250 x 100
	3.3	Tyre size, rear		Ø 150 x 100	Ø 150 x 100
	3.5	Wheels, number front/rear (x = driven)		1x / 2	1x / 2
	3.6	Track width, front	b10 (mm)	0	0
	3.7	Track width, rear	b11 (mm)	655	835
Dimensions	4.2	Height of mast, lowered	h1 (mm)	2000	2900
	4.4	Lift	h3 (mm)	1500	4550
	4.5	Height of mast, extended	h4 (mm)	3750	6800
	4.7	Height of overhead guard (cabin)	h6 (mm)	2250	2250
	4.8	Height of seat/stand-on platform	h7 (mm)	200	200
	4.11	Supplementary lift	h9 (mm)	800	800
	4.14	Platform height, raised	h12 (mm)	1700	4750
	4.15	Fork height, lowered	h13 (mm)	65	65
	4.19	Overall length	l1 (mm)	2460	2615
	4.20	Length to fork face	l2 (mm)	1660	1815
	4.21	Overall width	b1/b2 (mm)	790 / 790	980 / 980
	4.22	Fork dimensions	s/e/l (mm)	55 x 120 x 800	55 x 120 x 800
	4.23	Fork carriage to ISO 2328, class/type A, B		no	no
	4.24	Width of fork carriage	b3 (mm)	740	740
	4.25	Fork spread, min/max	b5 (mm)	560 / 640	560 / 640
	4.27	Width over side guide rollers	b6 (mm)	-	1375
	4.31	Ground clearance, below mast	m1 (mm)	38	38
	4.32	Ground clearance, centre of wheelbase	m2 (mm)	38	38
	4.34	Aisle width with pallet 800 x 1200 along forks	Ast (mm)	-	1380
	4.35	Turning radius	Wa (mm)	1470	1635
	4.42	End aisle width, with/without load	Au (mm)	2828	2984
Performance	5.1	Travel speed, with/without load	(km/h)	9 / 9	10 / 10
	5.2	Lifting speed, with/without load	(m/s)	0.18 / 0.25	0.22 / 0.31
	5.3	Lowering speed, with/without load	(m/s)	0.3 / 0.24	0.3 / 0.24
	5.9	Acceleration time, with/without load	(s)	7.0 / 7.0	8.0 / 8.0
	5.10	Service brake		Regenerative	Regenerative
Drive	6.1	Drive motor, 60 minute rating	(kW)	3	3
	6.2	Lift motor rating at S3 15%	(kW)	4	7.6
	6.3	Battery according to DIN 43531/35/36 A,B,C,no		43 535 / B	43 535 / A
	6.4	Battery voltage/rated capacity (5h)	(V/Ah)	24 / 420	24 / 560
	6.5	Battery weight (± 5%)	(kg)	385	502
Others	8.1	Type of drive control		Microprocessor	Microprocessor
	8.4	Noise level at operator's ear	(dB(A))	61	69

1) Examplary configuration based on a modular truck system. Please contact your local sales department for an individual truck configuration

2) Figures with battery, see line 6.4/6.5.



V10 with simplex mast (1)				
Height of mast lowered	**h1 (mm)**	1500	2000	2500
Lift height without supplementary mast	**h3 (mm)**	1000	1500	1910
Lift height with supplementary mast	**h3+h9 (mm)**	1800	2300	2710
Total lift height from ground	**h25 (mm)**	1865	2365	2775
Supplementary lift	**h9 (mm)**	800	800	800
Platform height	**h12 (mm)**	1200	1700	2110
Picking height (h12+1600mm)	**h28 (mm)**	2800	3300	3710
Extended height	**h4 (mm)**	2390	3750	4160

1.) available with 790 mm and 980 mm chassis width

V10 with standard mast (2)				
Height of mast lowered	**h1 (mm)**	2400	2900	-
Lift height without supplementary mast	**h3 (mm)**	3550	4550	-
Lift height with supplementary mast	**h3+h9 (mm)**	4350	5350	-
Total lift height from ground	**h25 (mm)**	4415	5415	-
Supplementary lift	**h9 (mm)**	800	800	-
Platform height	**h12 (mm)**	3750	4750	-
Picking height (h12+1600mm)	**h28 (mm)**	5350	6350	-
Extended height	**h4 (mm)**	5800	6800	-

2.) available with 980 mm chassis width