



Electric Medium Level Order Picker 2,200 lbs. Capacity

V10

SERIES 5021

Safety

The V10 is designed to maximize driver awareness during all aspects of operation. Outstanding visibility through and around the mast ensures safety for pedestrians and operator. "Two hands" operation makes certain that no limbs are outside the cab when traveling.

Performance

Efficiency combined with high performance is the most fitting phrase to describe the V10. Powerful and economic AC technology ensures optimum performance, low energy consumption and durability.

Comfort

The V10 features a cushioned platform and low step height to increase operational comfort. A wide variety of storage compartments keep the cab organized. The operator compartment is also designed for a variety of additions like data terminals, scanners, fans, and lights.



Linde Material Handling

Linde

Reliability/Durability

Linde engineers apply their vast expertise to design components and assemblies for maximum reliability and durability. This is reflected in 1000 hour service intervals.

Productivity

High powered motors provide fast operational speeds and controls are ergonomically designed to combine technology and ergonomic purpose to maximize productivity.

Standard and optional equipment

Standard equipment:

Operator compartment
Main control panel mast side
Suspension cab
Ergonomic rubber mat
Storage compartments
LED display with hour meter, wheel position indicator,
battery status, service codes
Low step height

Polyurethane wheels
Regenerative braking
Battery discharge indicator with lift interrupt
AC drive motor
Speed reduction with raised cab
"Two hand" operation of lift and travel
Auxiliary lift, with load side control buttons

Optional equipment:

Deluxe Display
Various cab widths
Rear view mirrors
Cab lighting
OHG cover
Clipboard
Operator fan

End aisle stop and speed reduction
Lift and travel interlocks
Various fork sizes
ITA type carriage (with auxiliary mast) Guide
rollers

Other options available on request.

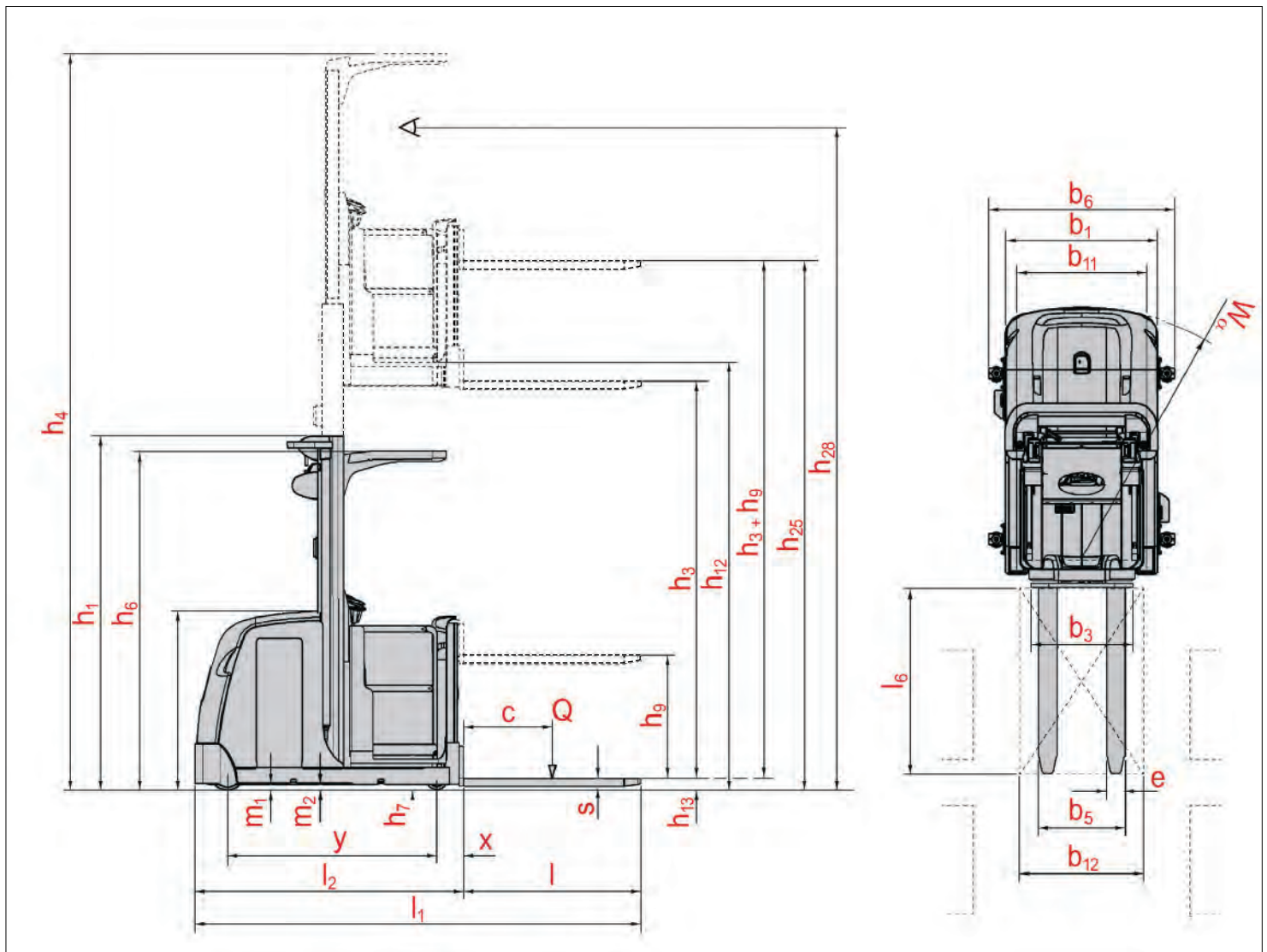


Technical data

SERIES 5021 (V10)
July 2013

Characteristics	1.1	Manufacturer			Linde	
	1.2	Model designation			V 10	
	1.3	Power unit			electric	
	1.4	Operation			order Picker	
	1.5	Load capacity	Q	lb kg	2200	1000
	1.6	Load center	C	in mm	15.75	400
	1.8	Front overhang	x	in mm	7.5	190
	1.9	Wheelbase	y	in mm	55.71	1415
	Weight	2.1	Service weight		lb kg	5756
2.2		Axle loading with load, front		lb kg	2380	1080
2.2.1		Axle loading with load, rear		lb kg	3375	1531
2.3		Axle loading with load, front		lb kg	3300	1497
2.3.1		Axle loading without load, rear		lb kg	2455	1114
Wheels & Tires	3.1	Tires: type			polyurethane	
	3.2	Tire size: front		in mm	250 x 100	
	3.3	Tire size: rear		in mm	150 x 100	
	3.5	Wheels: number front			1x /2	
	3.5.1	Wheels: number rear			1	
	3.6	Track width, front	b10	in mm	0	0
	3.7	Track width, rear	b11	in mm	25.78	655
Dimensions	4.2	Height of mast lowered	h1	in mm	see chart	
	4.3	Free lift	h2	in mm	see chart	
	4.4	Lift height	h3	in mm	see chart	
	4.5	Height of mast, extended	h4	in mm	see chart	
	4.7	Height of overhead guard (cabin)	h6	in mm	88.58	2250
	4.8	Height of stand-on platform	h7	in mm	7.87	200
	4.11	Auxiliary lift	h9	in mm	31.49	800
	4.14	Platform height, raised	h12	in mm	see chart	
	4.15	Fork height, lowered	h13	in mm	2.55	65
	4.19	Overall length	l1	in mm	102.95	2615
	4.20	Length to fork face	l2	in mm	71.45	1815
	4.21	Overall width	b1	in mm	38.58	980
	4.22	Fork dimensions	s/e/l	in mm	2.17 x 4.72 x 31.50	55 x 120 x 800
	4.23	Fork carriage			not ITA	
	4.24	Width of fork carriage	b3	in mm	29.13	740
	4.25	Fork spread, min/max	b5	in mm	22.05 / 25.20	560 / 640
4.31	Ground clearance, mast	m1	in mm	1.5	38	
4.32	Ground clearance, chassis	m2	in mm	1.5	38	
4.35	Turning radius	W α	in mm	64.37	1635	
4.42	End aisle width	Au	in mm	117.84	2984	
Performance	5.1	Travel speed, with load		mph kmh	6.2	10
	5.1.1	Travel speed, without load		mph kmh	6.2	10
	5.2	Lifting speed, with load		fpm mps	43	0.22
	5.2.1	Lifting speed, without load		fpm mps	61	0.31
	5.3	Lowering speed, with load		fpm mps	59	0.3
	5.3.1	Lowering speed, without load		fpm mps	47	0.24
	5.9	Acceleration time, with/without load		s	8	
5.10	Service brake			regenerative		
Engine	6.1	Drive motor, 60 minute rating		hp kW	4	3
	6.2	Lift motor rating		hp kW	10.19	7.6
	6.3	Battery size		in mm	32.87 x 15.15 x 30.86	835 x 385 x 784
	6.4	Battery voltage		V	24	
	6.5	Battery weight, min/max (\pm 5%)		lb kg	1438 - 1589	652 - 721
Other	8.1	Type of drive control			microprocessor	
	8.4	Noise level at operator's ear		dB (A)	68	

2) Including minimum battery



l6: load length b12; load with

V10 with simplex mast

Height of mast lowered	h1	in	(mm)	94.5	(2400)	114.2	(2900)
Lift height without auxiliary mast	h3	in	(mm)	139.7	(3550)	179.1	(4550)
Lift height with auxiliary mast	h3+h9	in	(mm)	171.3	(4350)	210.6	(5350)
Total lift height from ground (h3+h9+h13)	h25	in	(mm)	173.8	(4415)	213.2	(5415)
Auxiliary lift	h9	in	(mm)	31.5	(800)	31.5	(800)
Platform height	h12	in	(mm)	147.6	(3750)	187.0	(4750)
Picking height (h12 + 63", 1600 mm)	h28	in	(mm)	210.6	(5350)	250.0	(6350)
Extended height (overhead guard)	h4	in	(mm)	228.3	(5800)	267.7	(6800)





Features

Options

- Various cab widths
- Rear view mirrors
- Cab lighting
- Operator fan

Operator compartment



- Cushioned cab
- Maximum cushion floor mat
- Integrated storage compartments
- Auxiliary lift, raised pallet

Modular concept

- Combination of various components for different models
- Application of proven technology

Drive and lift

- Robust, high performance electrical motors
- Quiet operation

Active Safety

- Two handed operation, while traveling and lifting
- Automatic speed reduction in curves



Display

- High visible LED, or optional LCD display
- High tech system status display

Linde Systems Control - LSC

- Travel interlocks with steer angle and lifting height
- Extremely efficient use of energy and energy recovery

Operation

- Simple, ergonomically designed controls
- Intuitive, low fatigue operation



For more information on Linde material handling equipment, please contact:

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ANSI: Standard truck meets all applicable mandatory requirements of ANSI/ITSDF B56.1 standards for powered industrial trucks.
NOTE: Performance data may vary due to motor and system efficiency tolerances. The performance depicted represents nominal values obtained under typical operating conditions. Metric dimensions are in millimeters unless otherwise specified.
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