



## 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.



### 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.



NNE P/N NO. 07201  
PES-190DH-LC-GA

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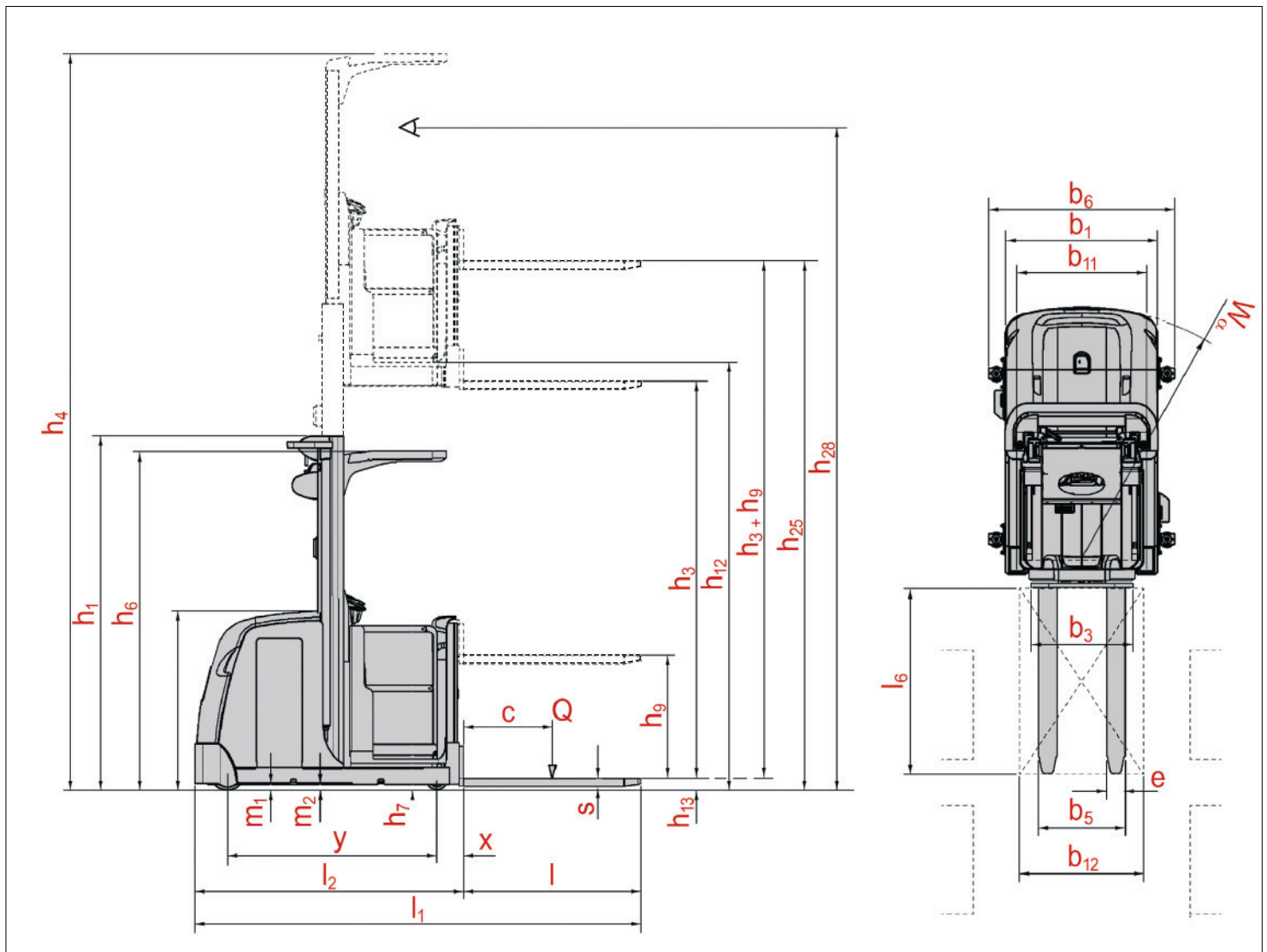
EPAL

# 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	2611 <sup>2)</sup>
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		
	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 (± 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	<b>h1</b>	in	(mm)	94.5	(2400)	114.2	(2900)
Lift height without auxiliary mast	<b>h3</b>	in	(mm)	139.7	(3550)	179.1	(4550)
Lift height with auxiliary mast	<b>h3+h9</b>	in	(mm)	171.3	(4350)	210.6	(5350)
Total lift height from ground (h3+h9+h13)	<b>h25</b>	in	(mm)	173.8	(4415)	213.2	(5415)
Auxiliary lift	<b>h9</b>	in	(mm)	31.5	(800)	31.5	(800)
Platform height	<b>h12</b>	in	(mm)	147.6	(3750)	187.0	(4750)
Picking height (h12 + 63", 1600 mm)	<b>h28</b>	in	(mm)	210.6	(5350)	250.0	(6350)
Extended height (overhead guard)	<b>h4</b>	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.  
All metric dimensions are not direct equivalents due to rounding data. The descriptions and specifications included on this data sheet were in effect at the time of printing. Linde Material Handling North America Corporation reserves the right to make improvements and changes in specification or design without notice and without incurring obligation. Please check with your authorized Linde dealer for information on possible updates or revisions.

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