

STANDARD AND OPTIONAL EQUIPMENT

Model/Equipment		MV01
Safety	Rear flashing beacon	○
	Front BlueSpot™	○
	Automatic locking doors	●
	Acoustic signal (reverse or descending and reverse)	□
	Automatic speed reduction when cornering	●
	Automatic speed reduction when lifting platform	●
	Sensitive sensor on right handle for operating	●
	Key switch	●
Service	CAN bus technology	●
Workplace	Lifting platform up to 3 meters	●
	Multifunctional display	●
	Compact steering wheel integrate into the console	●
	Electrically adjustable storage tray up to 90 kg	●
Tyres	Storage: paperwork, pens, gloves, two bottles compartments	●
	Drive wheel polyurethane	●
Drive and Brake-system	Load wheel rubber	●
	0.65 kW BLDC motor (maintenance free)	●
	Electromagnetic braking system	●
	Extra Li-ION battery 24 V/135 Ah	●
	Inbuilt Li-ION 30 Ah Charger	●

● Standard equipment ○ Optional equipment □ Special equipment option



Order Picker

MV01

Capacity 0.09 t | Series 8905

Task Support Vehicle

- Overall length of only 1140 millimeters ensures easy maneuverability
- Lifting platform up to 3 meters height enables order picking on the second and third rack level
- Stable structure for load capacity up to 100 kilograms
- Li-ION battery can be charged at any time and increases vehicle availability

CHARACTERISTICS



Safety sensor on right handle

Safety

- Reduction of the speed when the cabin is raised
- Automatic door interlock to protect the operator when the platform is raised and lowered
- Sensor on single right handle reduce risk of injury
- Single foot pedal as dead man's switch
- Warning lights and signal tones increase safety around the vehicle



Spacious operator compartment

Ergonomics

- Spacious and comfortable operator compartment
- Ergonomic arrangement of the controls
- Electrically adjustable storage tray as standard
- Storage compartments for paper work and small bottle of water
- Integrated charger enables opportunity charging of the Li-ION battery and increases vehicle availability



Optimized 1st and 2nd level order picking

Handling

- Lifting platform up to 3 meters height for effortless access to the second and third rack levels
- Powerful DC motor ensures top speed of up to 6.5 km/h
- Compact dimensions increase maneuverability in narrow aisles and curves
- Electrical steering for effortless manoeuvrability and safe, highly efficient load handling
- Built-in Li-ION battery 24 V 135 AH

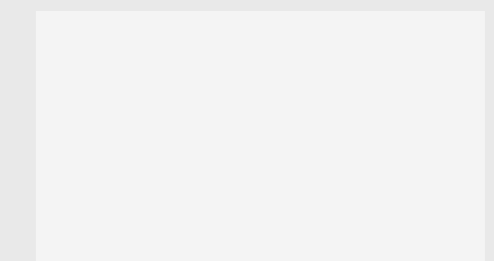


All information at a glance

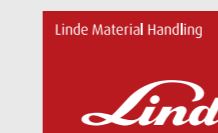
Service

- Maintenance-free lithium-ion batteries contribute to high energy efficiency and vehicle availability
- Battery management system ensures high performance and long battery life
- Low-maintenance BLDC drive motor reduces service costs
- CAN bus connection ensures simple service processes
- Key vehicle components are easily accessible

Presented by:



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



Linde Material Handling Pty Ltd
 Head Office | 5 Distillers Place Huntingwood | NSW 2148
 Phone + 61 2 9831 9500 | Phone 1300 135 463
 www.lindemh.com.au | contact@lindemh.com.au

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TECHNICAL DATA (According to VDI 2198)

		Linde		
Characteristics	1.1	Manufacturer	Linde	
	1.2	Model	MV01	
	1.2.a	Series	8905	
	1.3	Power Unit	Battery	
	1.4	Operation	Order Picker	
1.5	Load capacity/Load	Q ₁ (t)	0.09	
		Q ₂ (t)	0.11	
		Q ₃ (t)	0.136	
1.6	Load centre distance	c (mm)	NA	
1.8	Axle centre to fork face	x (mm)	NA	
1.9	Wheelbase	y (mm)	1095	
Weights	2.1	Service weight	(kg)	770
	2.2	Axle load with load, front/rear	(kg)	550/560
	2.3	Axle load without load, front/rear	(kg)	375/395
Wheels/Tyres	3.1	Tyres rubber, SE, pneumatic, polyurethane		PU + PU/R
	3.2	Tyre size, front		Φ 210 × 70
	3.3	Tyre size, rear		Φ 250 × 100
	3.4	Auxiliary wheels (dimensions)		Φ 74 × 48
	3.5	Wheels, number front/rear (x = driven)		1x + 2/2
	3.6	Track width, front	b10 (mm)	545
3.7	Track width, rear	b11 (mm)	640	
Dimensions	4.2	Height of mast, lowered	h1 (mm)	1425
	4.4	Lift	h3 (mm)	3620
	4.5	Height of mast, extended	h4 (mm)	4100
	4.7	Height of overhead guard (cabin)	h6 (mm)	1375
	4.8	Seat height/standing height	h7 (mm)	275
	4.14	Stand height, elevated	h12 (mm)	3000
	4.19	Overall length	l1 (mm)	1440
	4.21	Overall width	b1/b2 (mm)	750
	4.32	Ground clearance with load, center of wheelbase	m2 (mm)	35
	4.35	Turning radius	Wa (mm)	1260
Performance	5.1	Travel speed, with/without load (H: 0 - 500 mm)	(km/h)	6/6.5
		Travel speed, with/without load (H: 500 - 1000 mm)	(km/h)	3
		Travel speed, with/without load (H: 1000 - 2000 mm)	(km/h)	2
		Travel speed, with/without load (H: 2000 - 3000 mm)	(km/h)	1
	5.2	Lifting speed, with/without load (Q3)	(m/s)	0.213/0.225
		Lifting speed, with/without load (Q1)	(m/s)	0.023/0.028
	5.3	Lowering speed, with/without load (Q3)	(m/s)	0.230/0.233
		Lowering speed, with/without load (Q1)	(m/s)	0.030/0.029
	5.8	Max. gradeability, laden/unladen	(%)	1.8/1.8
	5.10	Service brake		Electromagnetic
Drive	6.1	Drive motor rating S2 60 min	(kW)	0.65
	6.2	Lift motor rating	(kW)	2.2
	6.4	Battery voltage, nominal capacity K5	(V/Ah)	24/135
	6.5	Battery weight	(kg)	35
6.6	Power consumption according to VDI cycle	(kWh/h)	0.387	
Others	8.1	Type of drive unit		BLDC
	8.4	Noise level	(dB(A))	74

