



ELECTRIC WALKIE / RIDER TRUCK

CAPACITY: 6,000 – 8,000 lbs.

EW30 | EW40 | EWR30 | EWR40

SERIES 1101-02

Design

The Linde Electric Walkie / Rider truck has been designed to handle the most demanding heavy-duty application. We listened to the customer and designed a pallet truck that can withstand the most demanding duty cycle. Along with making sure the operator is comfortable, having enough foot room is a key design feature to ensure the operator's feet are within the frame of the truck. Matching performance with ergonomics, that's our goal.

Performance

The powerful 4.0 kW AC drive motor delivers high-performance acceleration, braking and travel speeds. The EW / EWR utilizes 100% AC motor technology with the latest controls allowing the operator to smoothly operate the truck through dock work, transporting heavy loads and order picking. Recognized as the toughest trucks in the market and matched with operator comforts, the result is a productive truck and operator.

Comfort

The largest operator foot room with a premium floor mat ensures enough space to comfortably change foot positioning. Features like padding on the sides of the truck offer a lean position and soft-touch grab bar. The latest technology in the controller and motor design gives the operator smooth control of the truck. Add electric steering to reduce steer effort and your workday becomes a little easier when operating a comfortable truck with these features.

Reliability/Durability

The solid frame construction and the fork linkage design are proven in the most demanding applications. The solid steel tie bars are maintenance-free with load wheel bearing block assemblies designed to support shock loads over the entire width of the forks. Fork wear or bending will not be an issue. Reduced wiring is the result of CANbus communication. Regenerative braking minimizes the use of the service brake and relieves heat from the traction motor increasing the life of the truck. A high level of time-tested and proven components combined with the latest design features results in a reliable and durable truck.

Serviceability

A one-piece cover provides noise reduction and full access to key components. The low maintenance AC traction motor with built-in thermal protection is enclosed for protection against damage, debris or moisture. The CANbus design and diagnostics can be controlled through a single point plug. Fault codes can be easily displayed on the battery indicator meter for easy identification.

STANDARD & OPTIONAL EQUIPMENT

STANDARD

- 48" long forks
- 27" fork spread
- Standard construction operating temperatures:
 - +32°F to +120°F
- Smooth polyurethane drive tire - Smooth Rubber/Polyurethane
 - 12" x 5.0"
- Single polyurethane load wheels - 3.25" x 6.375"
- Heavy-duty casters - urethane spring-loaded
- 4" x 2.5" polyurethane wheel
- Display
 - Battery state of charge
 - Hour meter
 - Low battery lift interrupt
 - Fault indicator
- Manual steering
- Key ignition switch
- 24V AC control electrical system
- Grab bar with soft grip
- AC traction motor
- Auto Deceleration System with regenerative braking
- 31.5" x 13.5" open battery compartment
- Electro-mechanical park brake
- UL Classification "E"
- Electronic horn
- Ergonomically designed, impact resistant, aluminum reinforced control handle with twist grip control
- Steel pallet entry slides
- Two-piece load wheel axles
- 3-1/4" lowered /6" lift height /9-1/4" overall raised
- Heavy-duty fork construction with reinforced fork tips
- Heavy duty, long-life lift linkage with lubrication fittings
- Cushioned poly mat

OPTIONAL

- UL Classification "EE"
- Electric power steering
- Battery rollers
- Convenience tray (battery-mounted)
- RF terminal power supply - 24V
- Audible alarm
- Visible alarm - pole-mounted amber strobe
- Easy Pick with coast control
- Fork lengths
 - 36" long forks
 - 42" long forks
 - 48" long forks
 - 60" long forks
 - 84" long forks
 - 96" long forks
 - 144" long forks
- Drive tire
 - Rubber
 - Polyurethane
 - Non-marking rubber
 - Crowned polyurethane
 - Siped polyurethane
- Load wheels
 - Single, dual and tandem
 - 2 bearing and 4 bearing
 - Standard bearing and sealed bearing
- Load backrest
 - 48" high (pivoting)
 - 60" high (pivoting)
 - 72" high (pivoting)
- Application / Environmental Construction
 - Cooler/Freezer Package
 - Wash Down Package
 - Corrosion Package



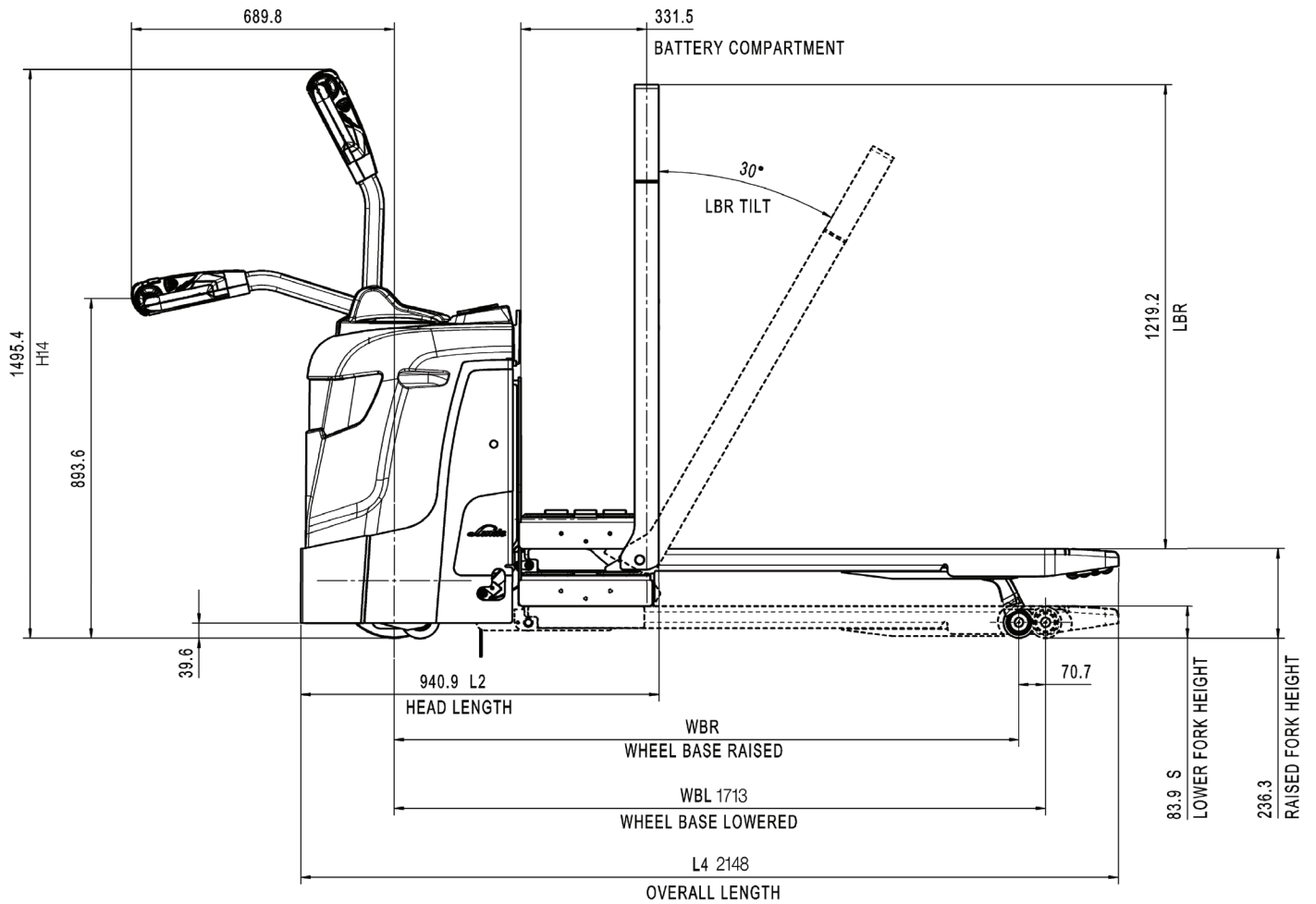
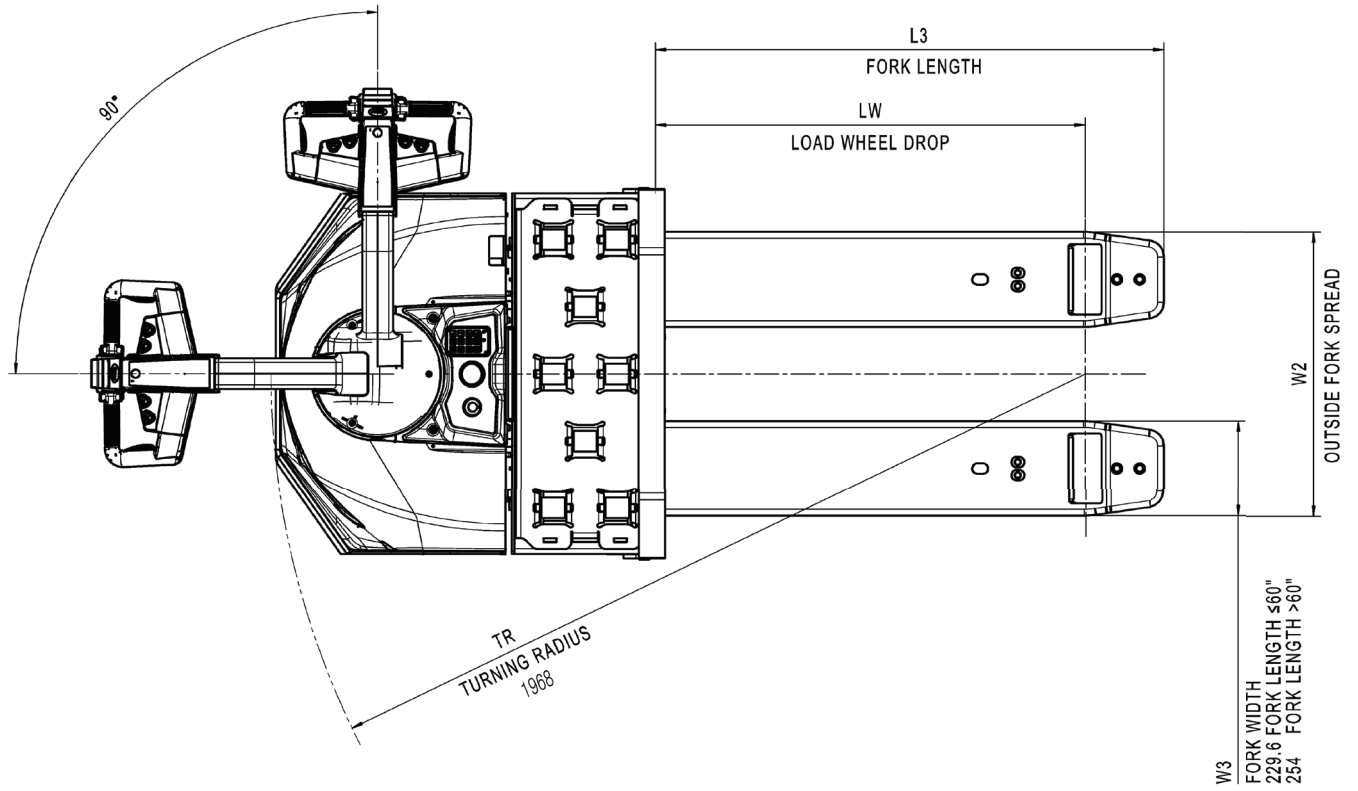


EW TECHNICAL DATA

January 2019

Characteristics	1.1	Manufacturer				LINDE			
	1.2	Model designation				EW30		EW40	
	1.3	Power unit				Electric		Electric	
	1.4	Operation				Walk		Walk	
	1.5	Load capacity	Q	lbs	kg	6000	2722	8000	3629
	1.6	Load center	c	in	mm	Fork length / 2		Fork length / 2	
	1.9	Wheelbase	WBL	in	mm	See chart		See chart	
Weights	2.1	Service weight (+/- 5.0%)		lbs	kg	1342	609	1316	597
	3.1	Tire type, front / rear				Cushion/poly		Poly/poly	
	3.2	Tire size, front		in	mm	12 x 5	305 x 127	12 x 5	305 x 127
	3.3	Tire size, rear		in	mm	3.25 x 6.38	83 x 162	3.25 x 6.38	83 x 162
	3.4	Caster wheel dimension		in	mm	NA		NA	
	3.5	Wheels, number front / rear (X=driven)				1x/2		1x/2	
Dimensions	4.19	Overall length	l_4	in	mm	See chart			
	4.2.0	Head length	l_2	in	mm	37	940.9	37	940.9
	4.21	Overall width	b_1	in	mm	34.3	872	34.3	872
	4.2.2	Fork dimensions	w_3	in	mm	See chart			
	4.3.3	Aisle width*	A_{st}	in	mm	98.7	2507	98.7	2507
	4.35	Outer turning radius	TR	in	mm	See chart			
	4.4	Lift	h_3	in	mm	6.0	152	6.0	152
	4.4.1	Lift from floor		in	mm	9.25	235	9.25	235
	4.7	Platform height	h_7	in	mm	NA		NA	
	4.9	Height of tiller arm	h_{14}	in	mm	58.9	1495	58.9	1495
Performance	5.1	Travel speed, with load		mph	km/h	3.5	5.6	3.5	5.6
	5.1.1	Travel speed, without load		mph	km/h	3.5	5.6	3.5	5.6
	5.8	Maximum gradeability with load		%		15		10	
	5.8.1	Maximum gradeability without load		%		15		15	
	5.9	Acceleration time with load		s		8		8	
	5.9.1	Acceleration time without load		s		7.8		7.8	
	5.10	Service brake				Electric			
Drive	6.1	Drive motor		hp	kW	5.4	4.0	5.4	4.0
	6.2	Lift motor		hp	kW	2.95	2.2	2.95	2.2
	6.3	Battery compartment dimensions		in		31.5 x 13.5 x open		31.5 x 13.5 x open	
	6.3	Battery compartment dimensions			mm	796 x 341 x open		796 x 341 x open	
	6.4	Battery voltage		V		24			
	8.1	Travel control				Zapi AC			

* Aisle width is calculated with 48"forks and a 40"wide pallet. Add 6-8" for operating clearance.

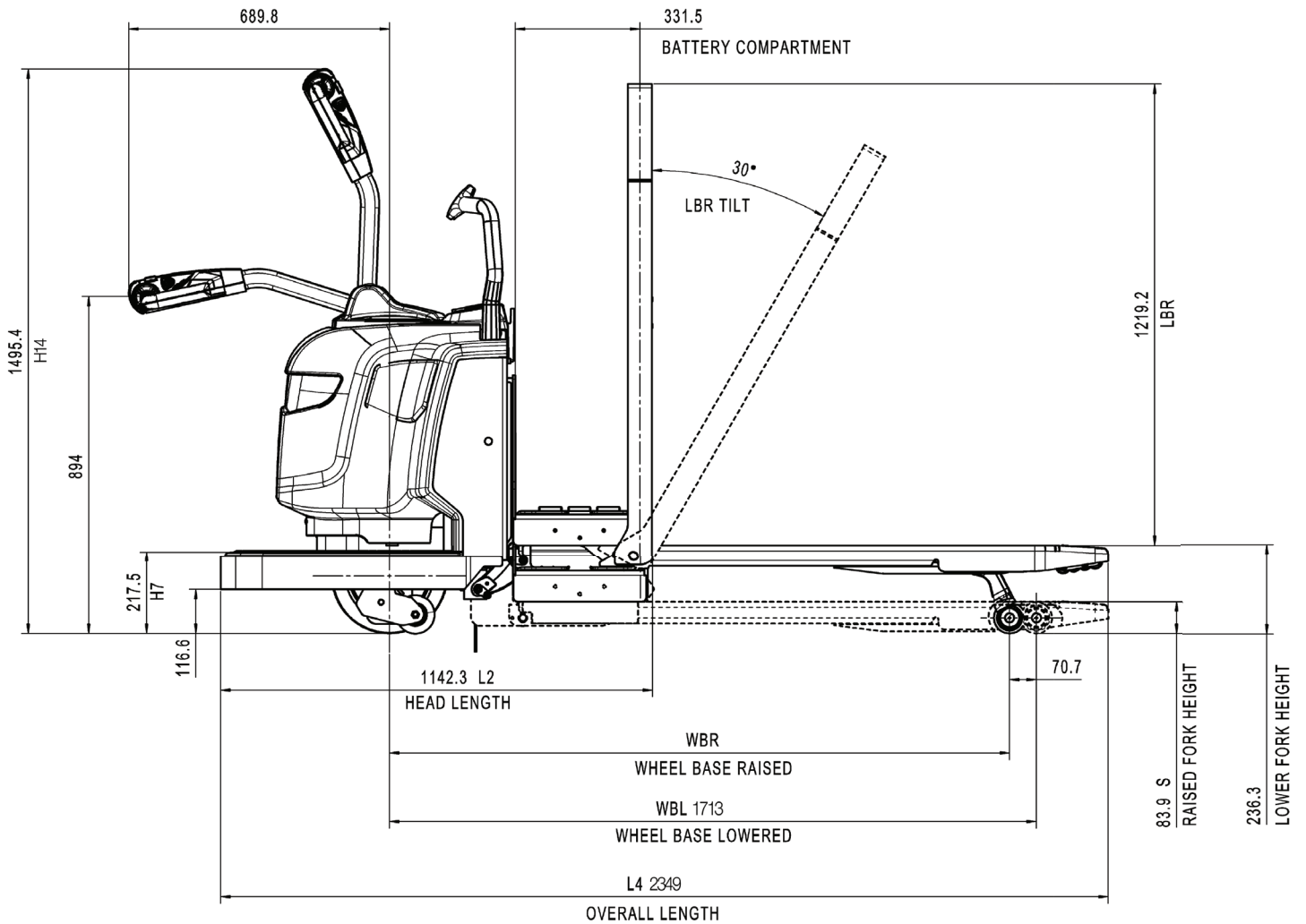
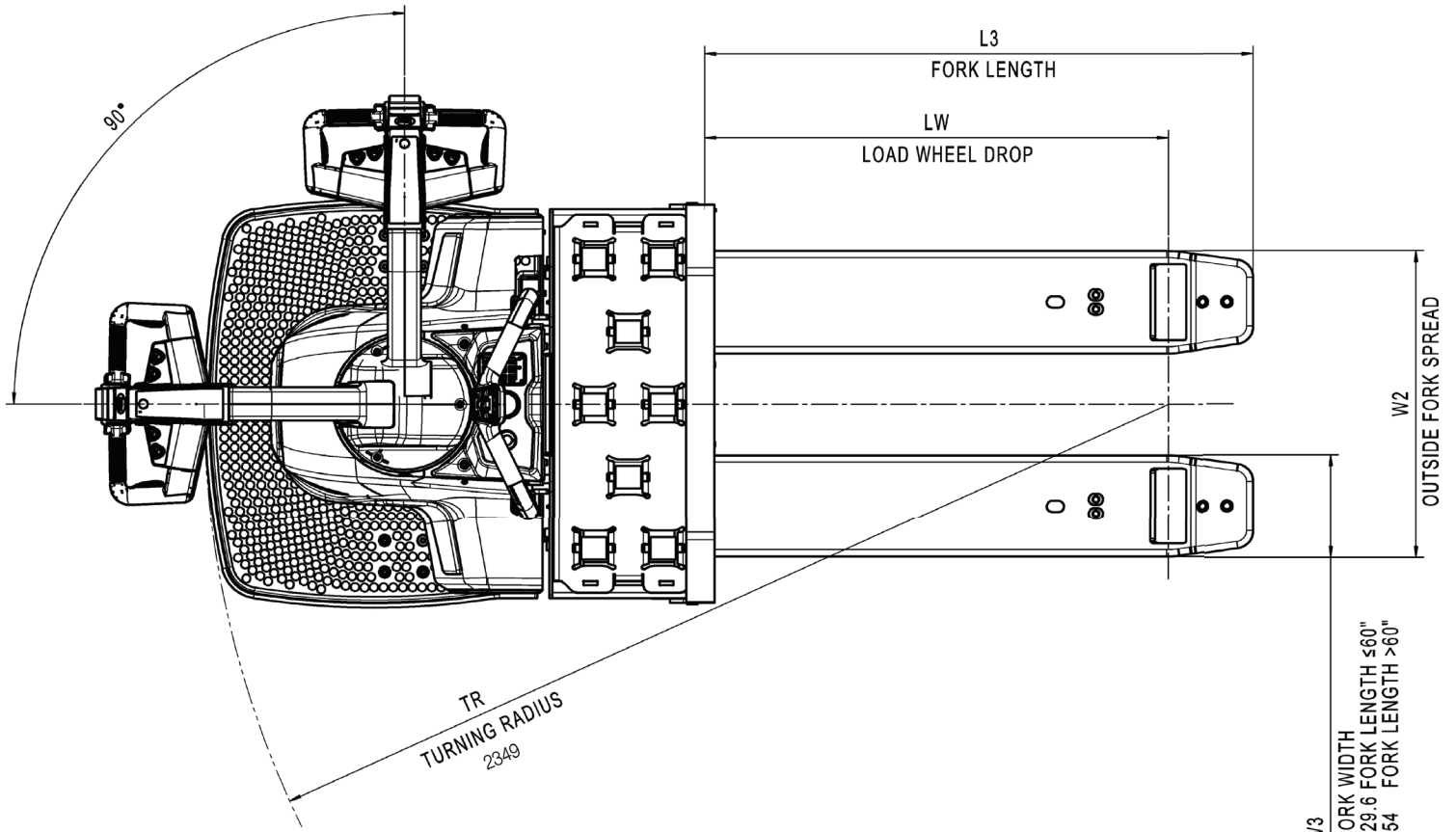


EWR TECHNICAL DATA

January 2019

Characteristics	1.1	Manufacturer				LINDE			
	1.2	Model designation				EWR30		EWR40	
	1.3	Power unit				Electric		Electric	
	1.4	Operation				Walk / Ride		Walk / Ride	
	1.5	Load capacity	Q	lbs	kg	6000	2722	8000	3629
	1.6	Load center	c	in	mm	Fork length / 2		Fork length / 2	
	1.9	Wheelbase	WBL	in	mm	See chart		See chart	
Weights	2.1	Service weight (+/- 5.0%)		lbs	kg	1457	661	1430	649
	3.1	Tire type, front / rear				Cushion/poly		Poly/poly	
	3.2	Tire size, front		in	mm	12 x 5	305 x 127	12 x 5	305 x 127
	3.3	Tire size, rear		in	mm	3.25 x 6.38	83 x 162	3.25 x 6.38	83 x 162
	3.4	Caster wheel dimension		in	mm	4 x 2.5	102 x 64	4 x 2.5	102 x 64
	3.5	Wheels, number front / rear (X=driven)				1x/2		1x/2	
Dimensions	4.19	Overall length	l_4	in	mm	See chart			
	4.2.0	Head length	l_2	in	mm	45	1142	45	1142
	4.21	Overall width	b_1	in	mm	36	916	36	916
	4.2.2	Fork dimensions	w_3	in	mm	See chart			
	4.3.3	Aisle width*	Ast	in	mm	106.2	2698	106.2	2698
	4.35	Outer turning radius	TR	in	mm	See chart			
	4.4	Lift	h_3	in	mm	6.0	152	6.0	152
	4.4.1	Lift from floor		in	mm	9.25	235	9.25	235
	4.7	Platform height	h_7	in	mm	8.6	218	8.6	218
	4.9	Height of tiller arm	h_{14}	in	mm	58.9	1495	58.9	1495
Performance	5.1	Travel speed, with load		mph	km/h	5.5	8.8	5.5	8.8
	5.1.1	Travel speed, without load		mph	km/h	9.5	15.3	9.5	15.3
	5.8	Maximum gradeability with load		%		15		10	
	5.8.1	Maximum gradeability without load		%		15		15	
	5.9	Acceleration time with load		s		6.4		6.8	
	5.9.1	Acceleration time without load		s		5.1		5.1	
	5.10	Service brake				Electric			
Drive	6.1	Drive motor		hp	kW	5.4	4.0	5.4	4.0
	6.2	Lift motor		hp	kW	2.95	2.2	2.95	2.2
	6.3	Battery compartment dimensions		in		31.5 x 13.5 x open		31.5 x 13.5 x open	
	6.3	Battery compartment dimensions			mm	796 x 341 x open		796 x 341 x open	
	6.4	Battery voltage		V		24			
	8.1	Travel control				Zapi AC			

* Aisle width is calculated with 48"forks and a 40"wide pallet. Add 6-8" for operating clearance.



FEATURES

Uptime

- CANbus communication
- Electro-mechanical brake
- Easy-access for service
- Minimal maintenance needed
- Diagnostic display unit for troubleshooting
- UL Type EE available
- Optional direct-electric steering
- Hall effect throttle controls

Chassis

- Steel wrap-around bumper
- Reinforced forks
- Solid steel 1" tie bars
- Large lift linkage
- High-impact axle testing

Controls

- Traction and lift controls grouped on ergonomic tiller head allowing function with either hand
- Easy pick system with coast control
- Top-mounted soft-touch control handle
- Electric power steering optional

Operator Compartment

- Padded and contoured operator area
- Low step height
- Largest operator platform in the industry
- Quiet, smooth operation



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

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Linde Material Handling

Linde

KION NORTH AMERICA

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 descriptors and specifications included on this data sheet were in effect at the time of printing. KION 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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